

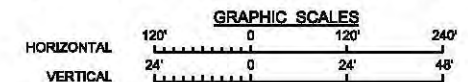
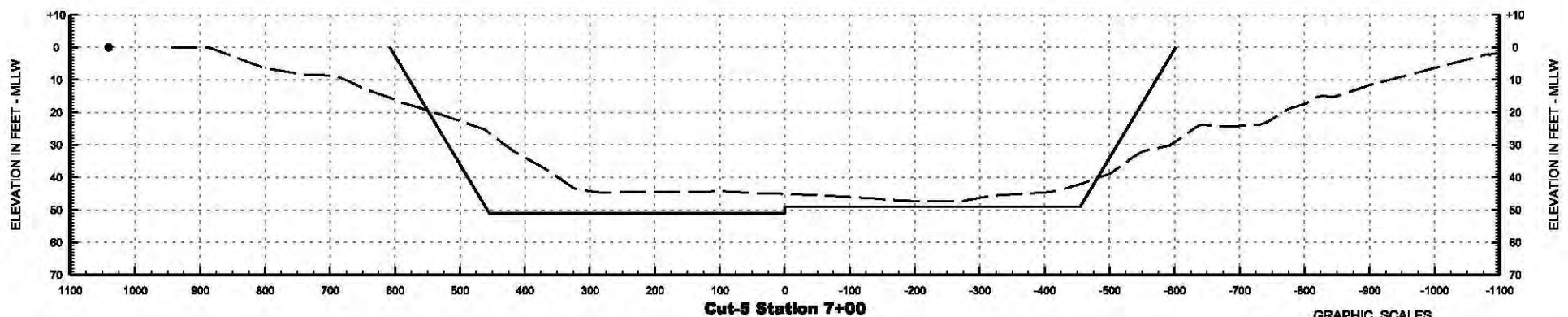
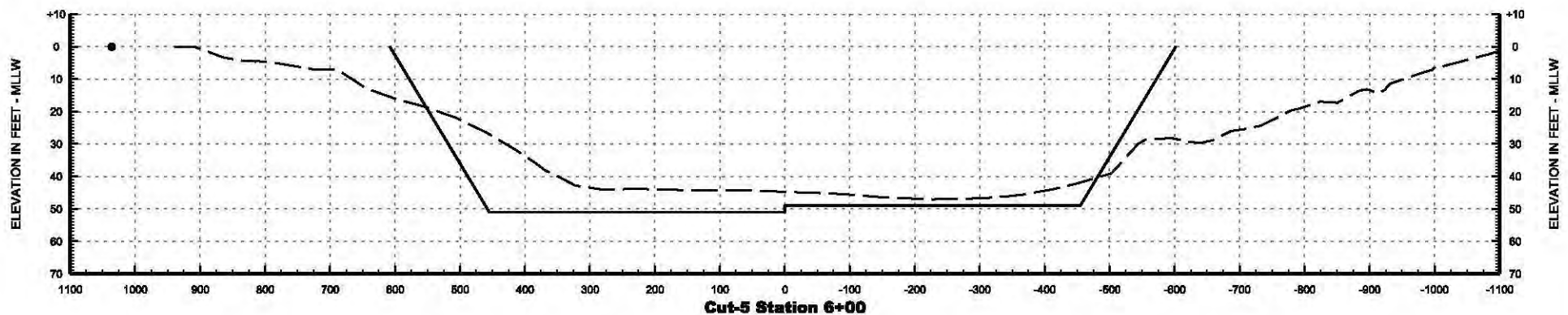
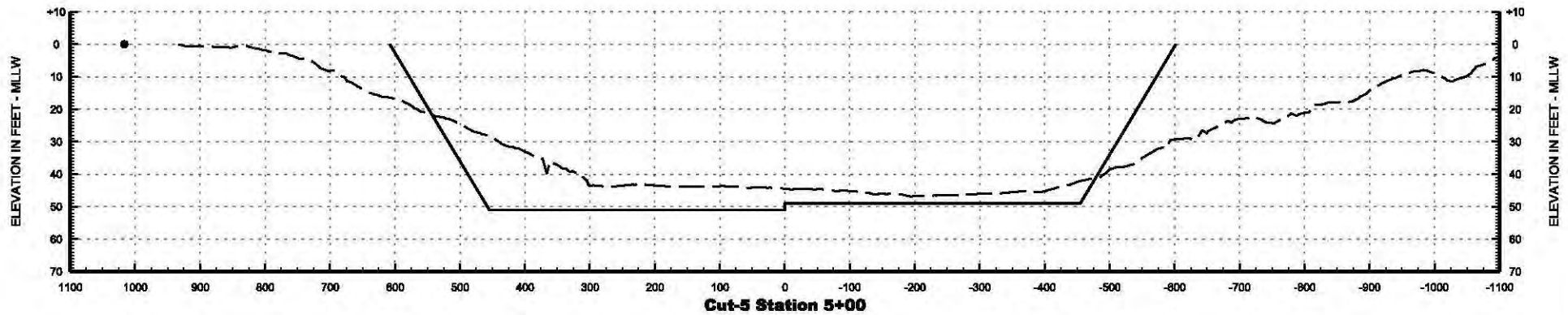
APPENDIX A

ENGINEERING APPENDIX

FIGURES 51-100

Jacksonville Harbor Navigation Study, Duval County,
Florida

DRAFT
INTEGRATED GENERAL REEVALUATION
REPORT II AND SUPPLEMENTAL
ENVIRONMENTAL IMPACT STATEMENT



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

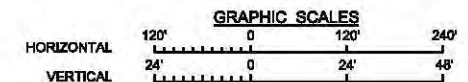
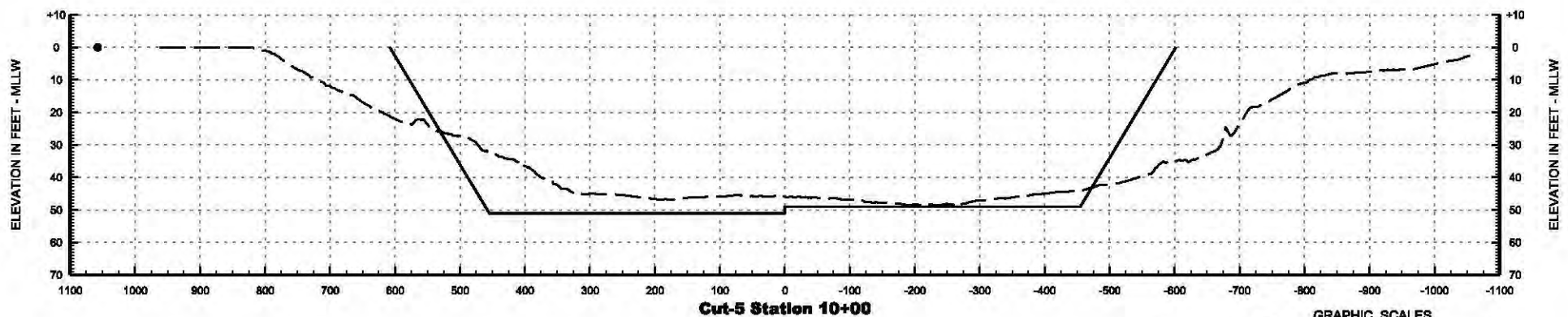
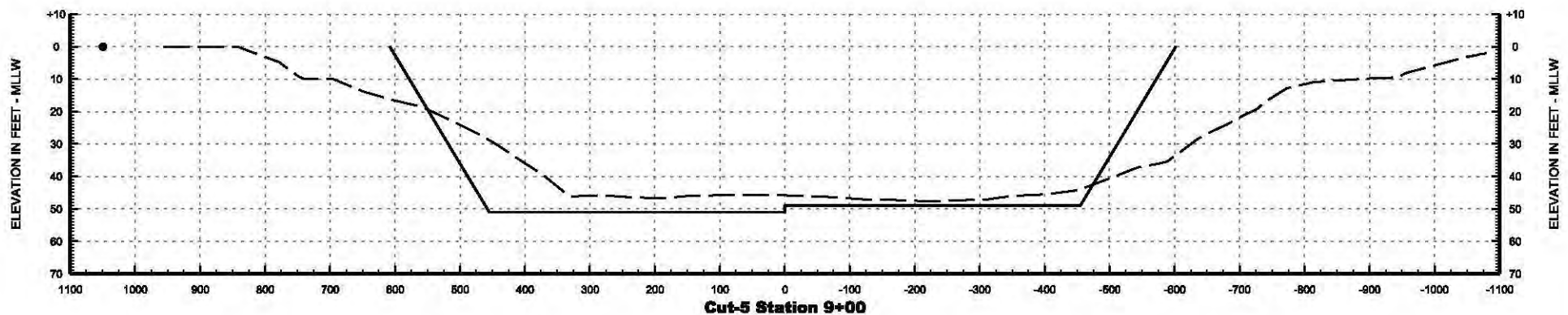
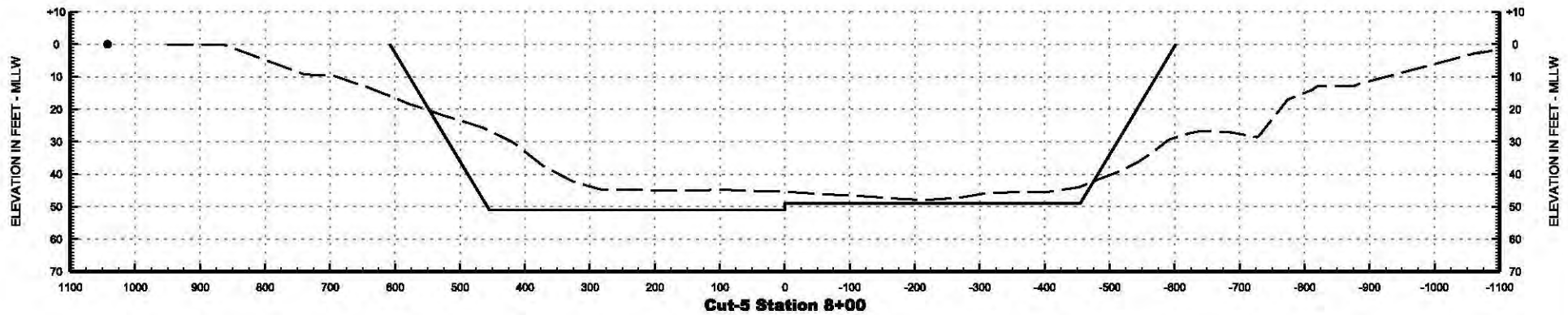
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DATED:
MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-5 STATION 5+00 TO 7+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

51



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

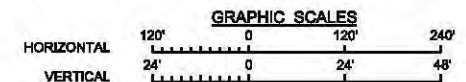
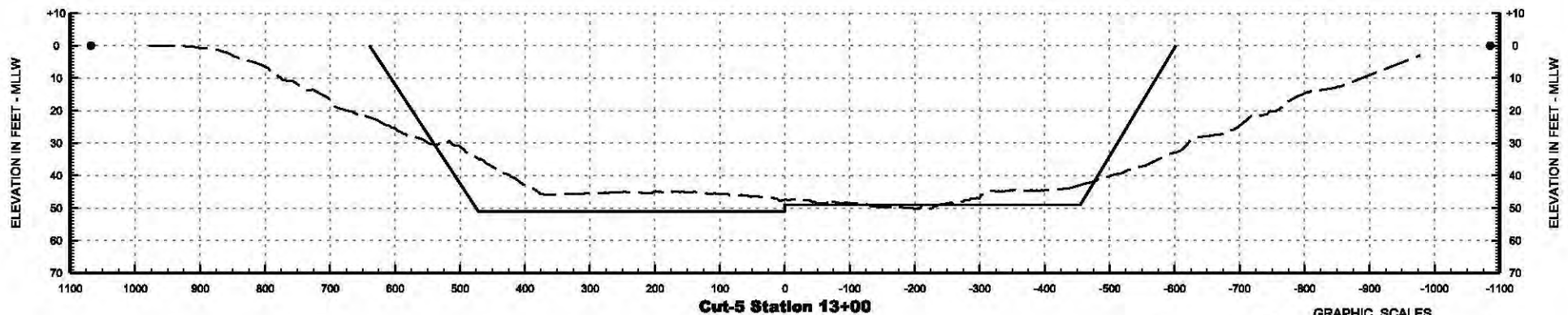
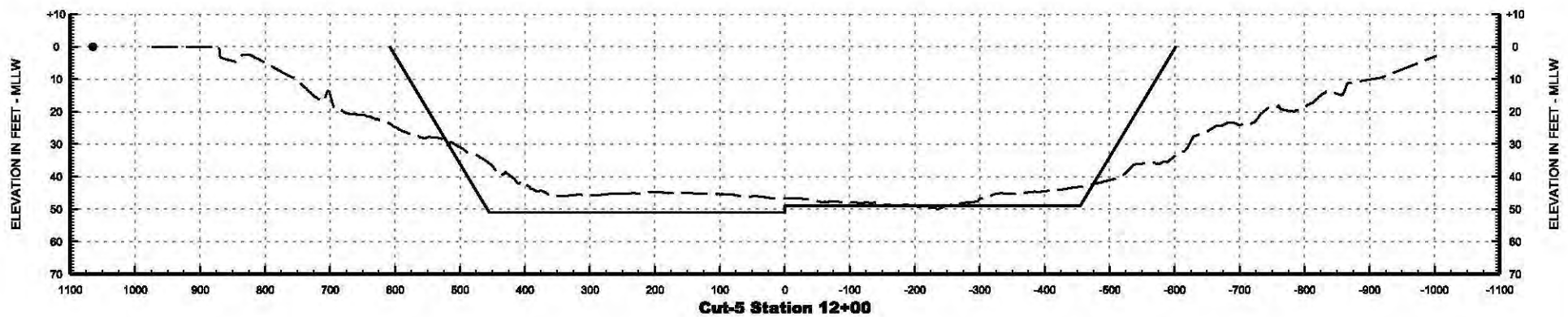
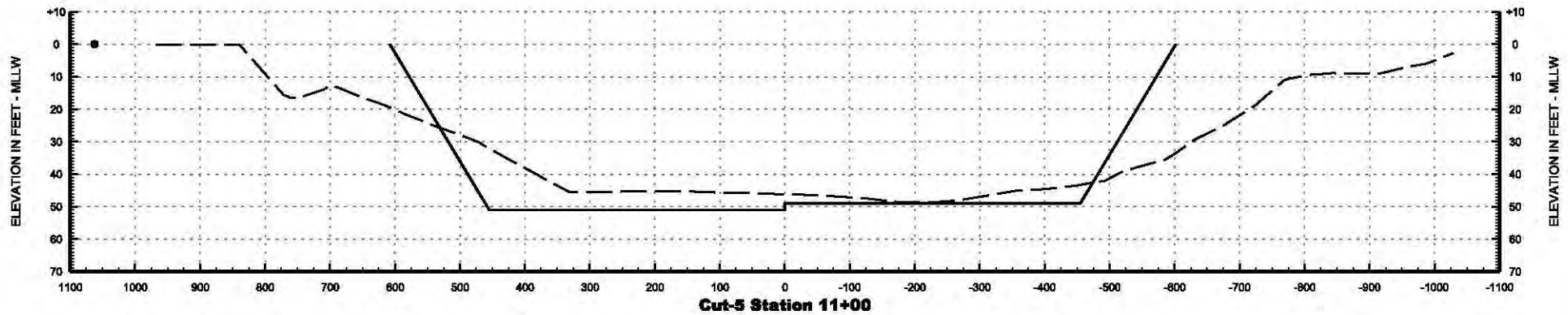
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DATED:
MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-5 STATION 8+00 TO 10+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

● APPROXIMATE SHORELINE
--- EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

52



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

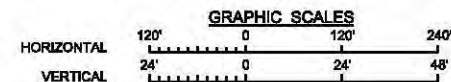
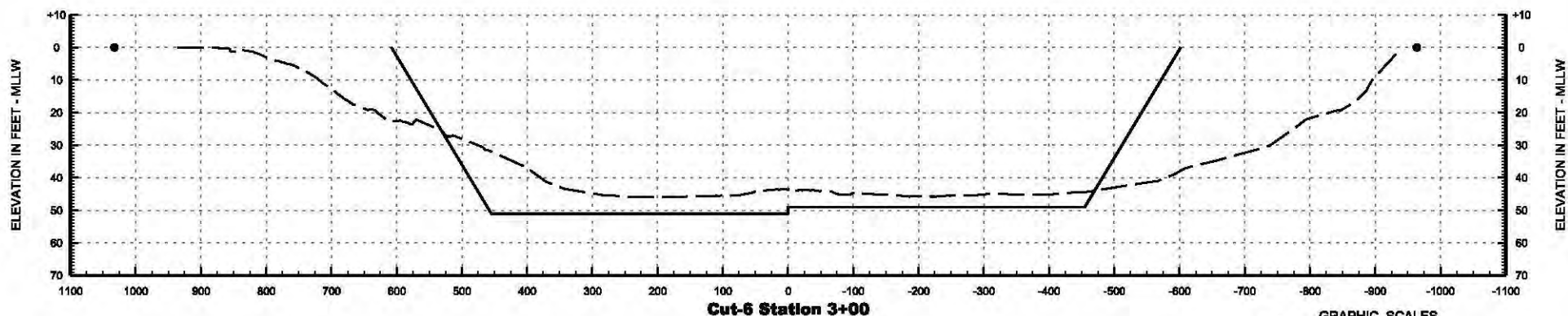
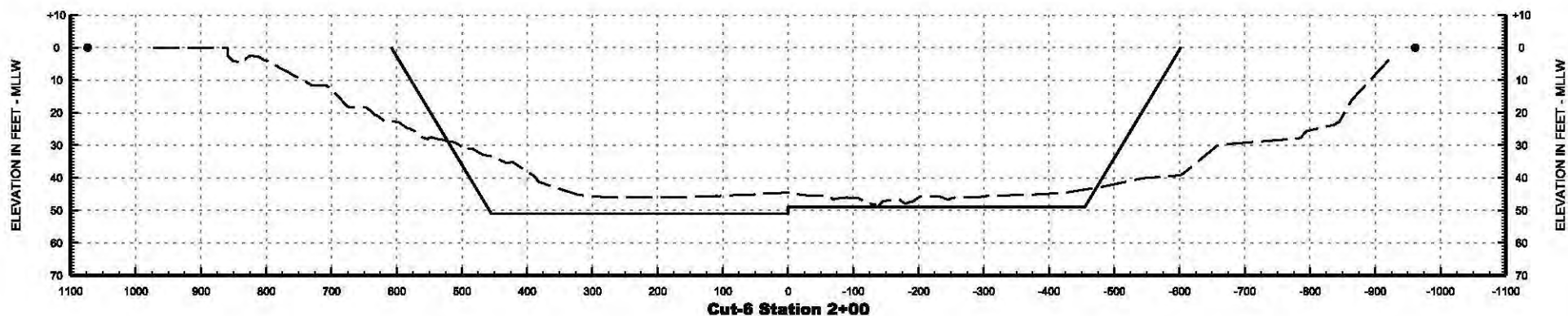
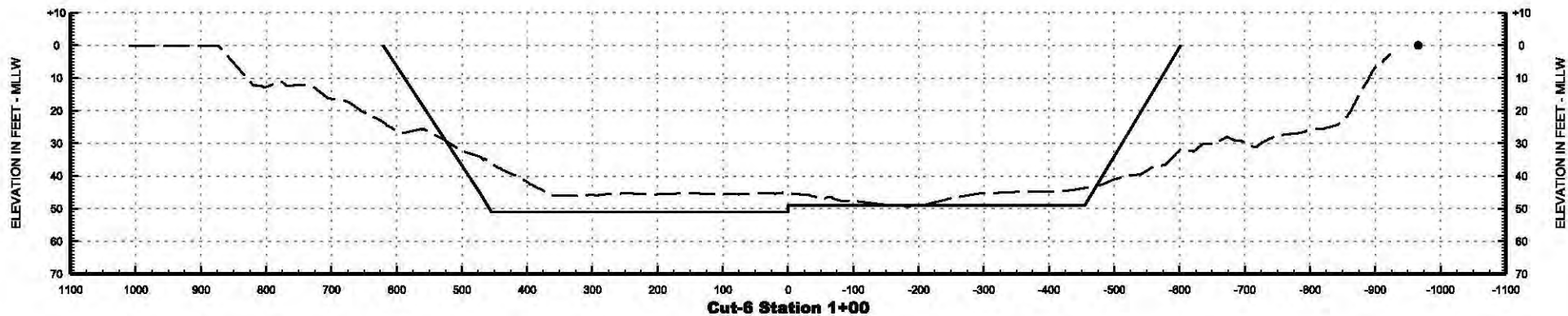
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-5 STATION 11+00 TO 13+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

● APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

53



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

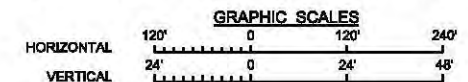
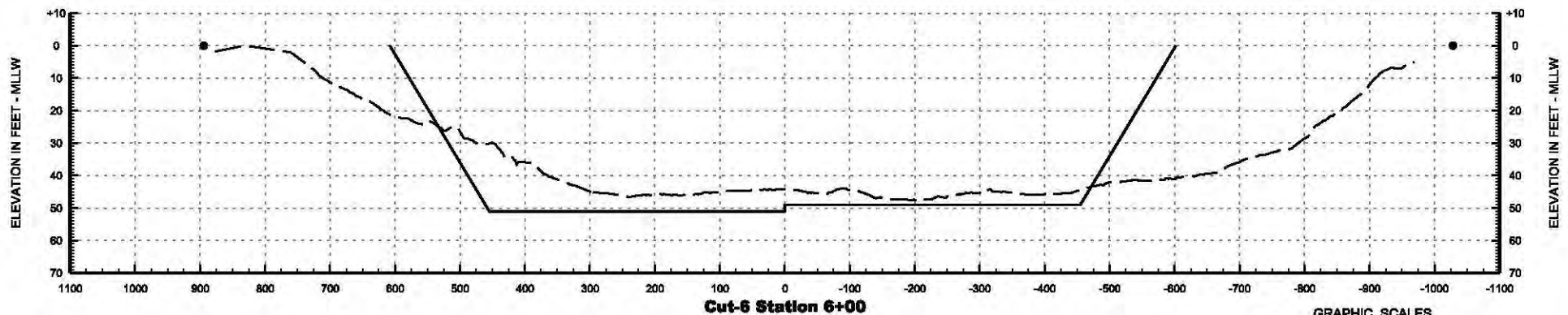
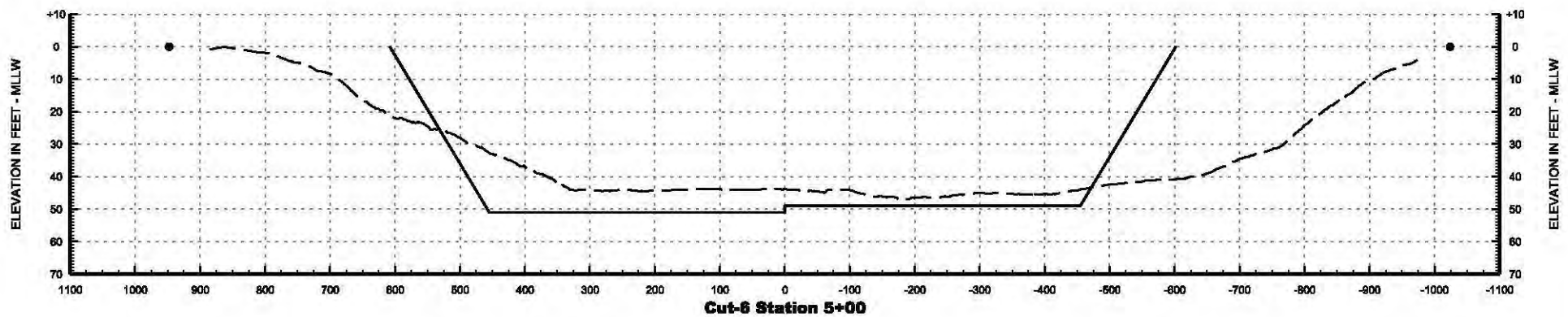
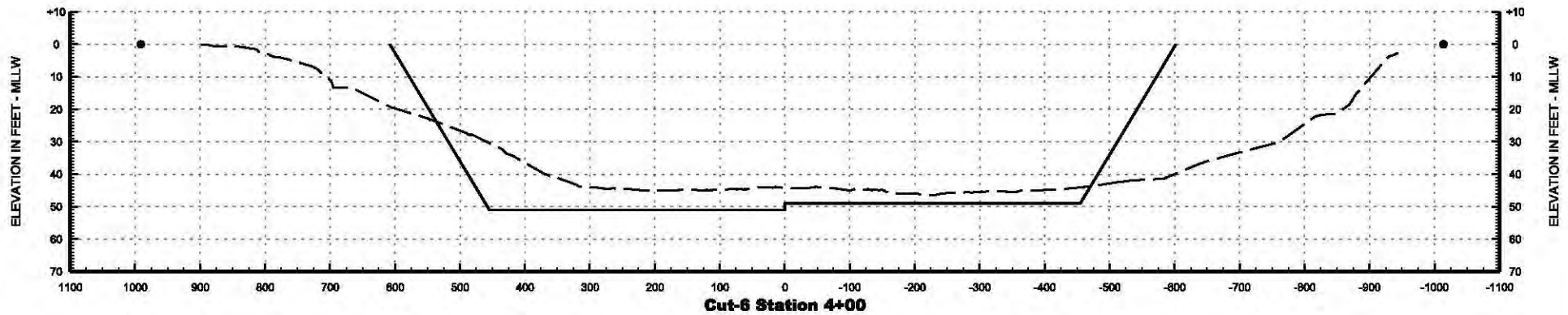
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MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-6 STATION 1+00 TO 3+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

54



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

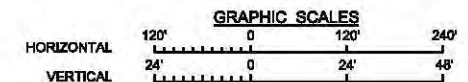
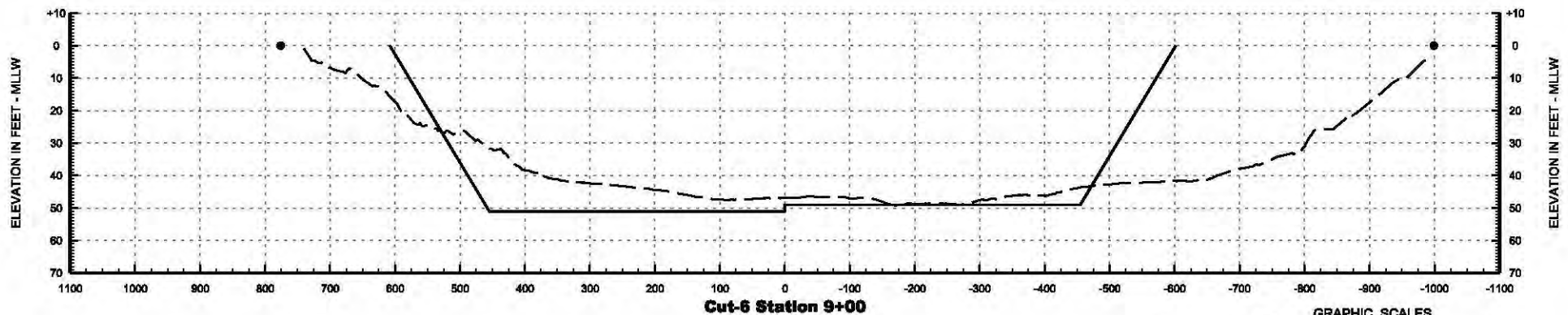
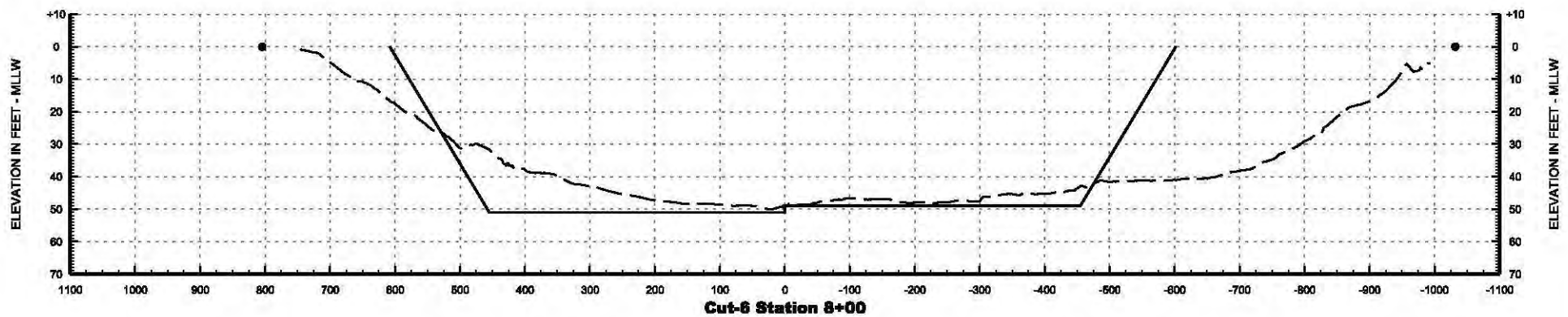
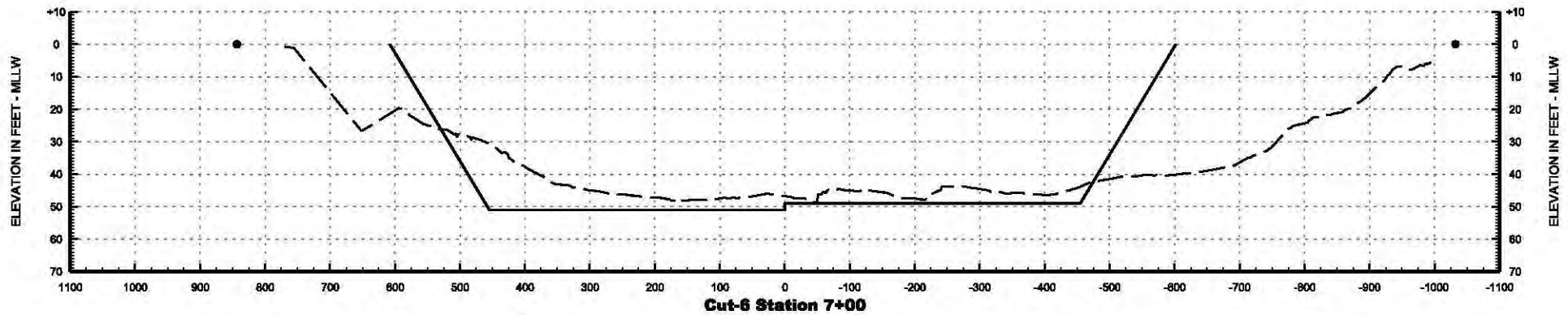
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-6 STATION 4+00 TO 6+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

55



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

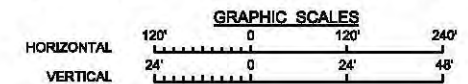
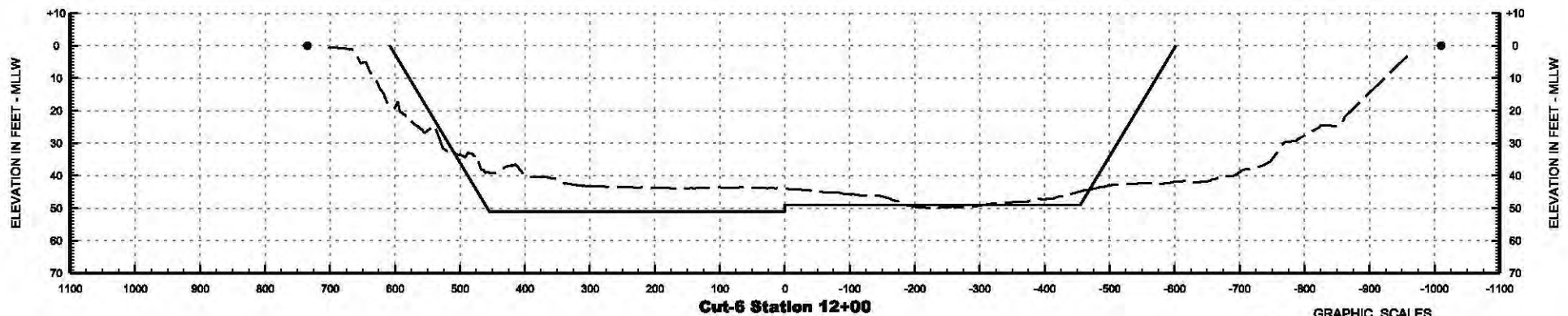
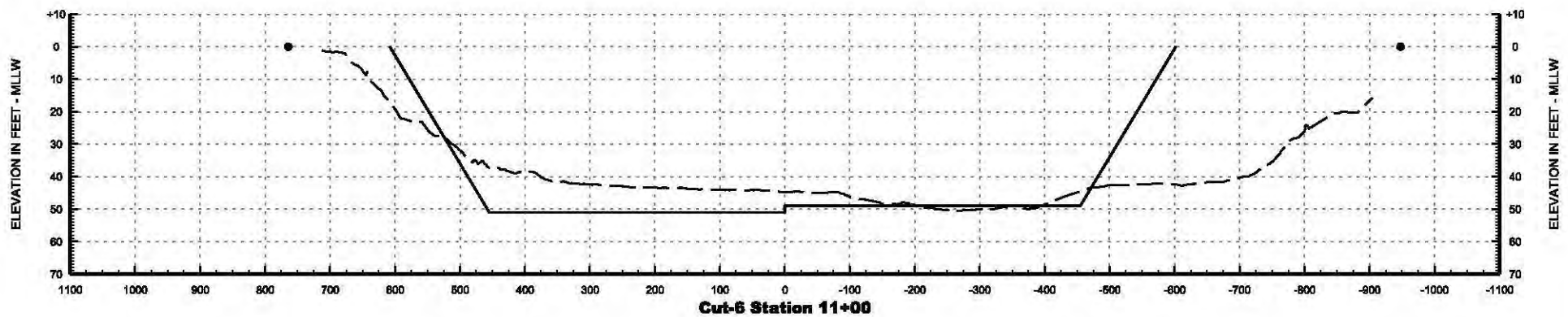
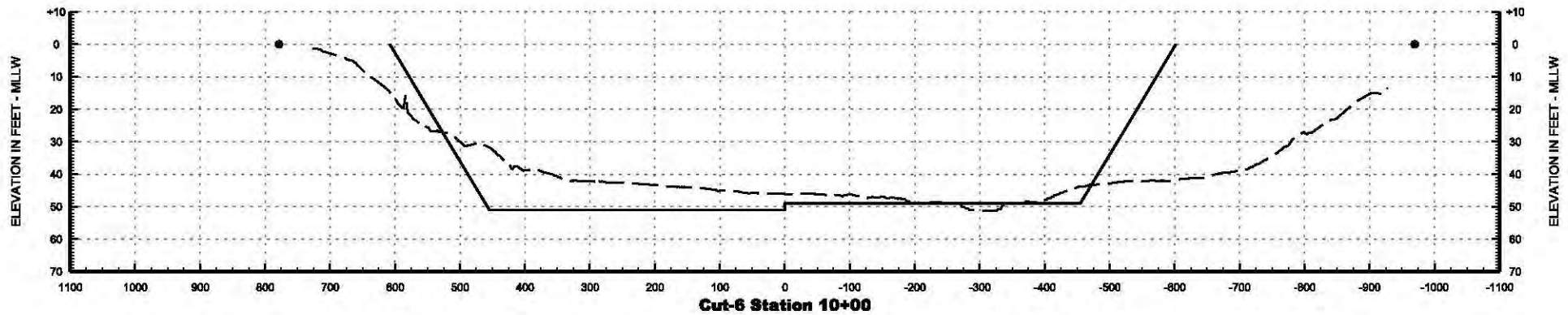
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-6 STATION 7+00 TO 9+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

56



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

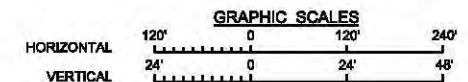
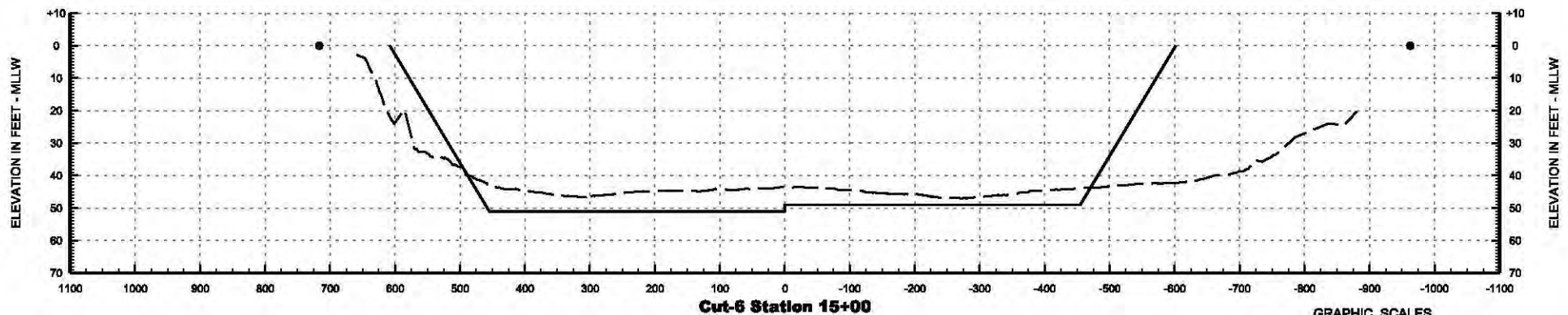
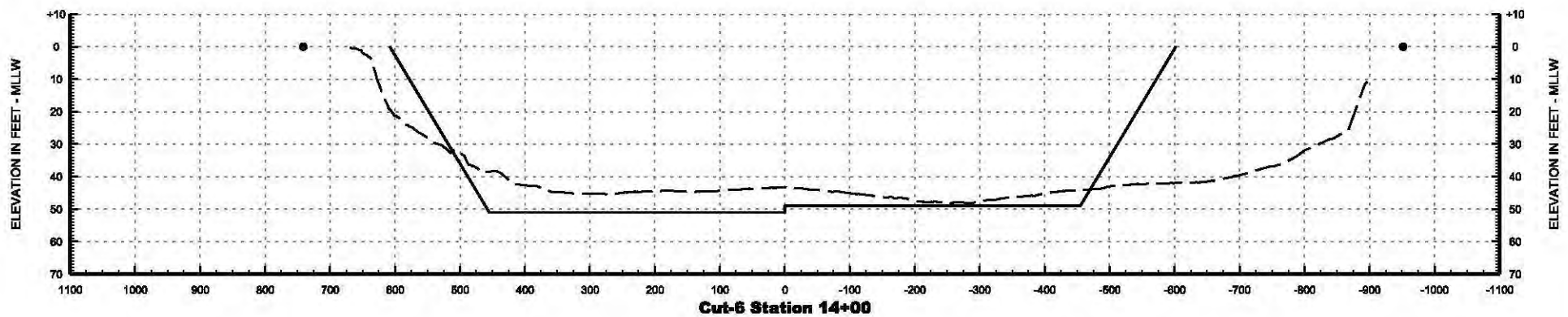
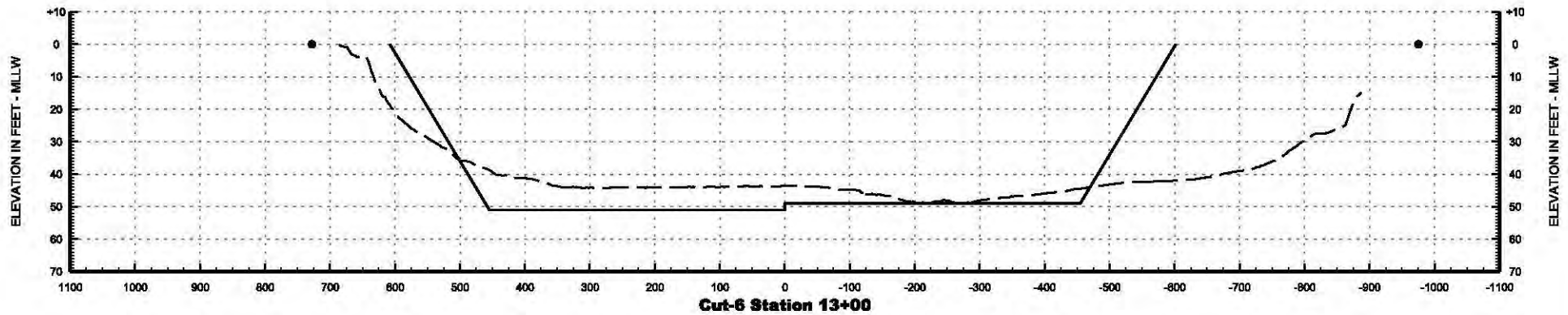
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-6 STATION 10+00 TO 12+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

57



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

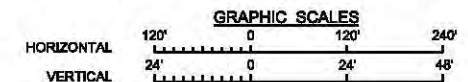
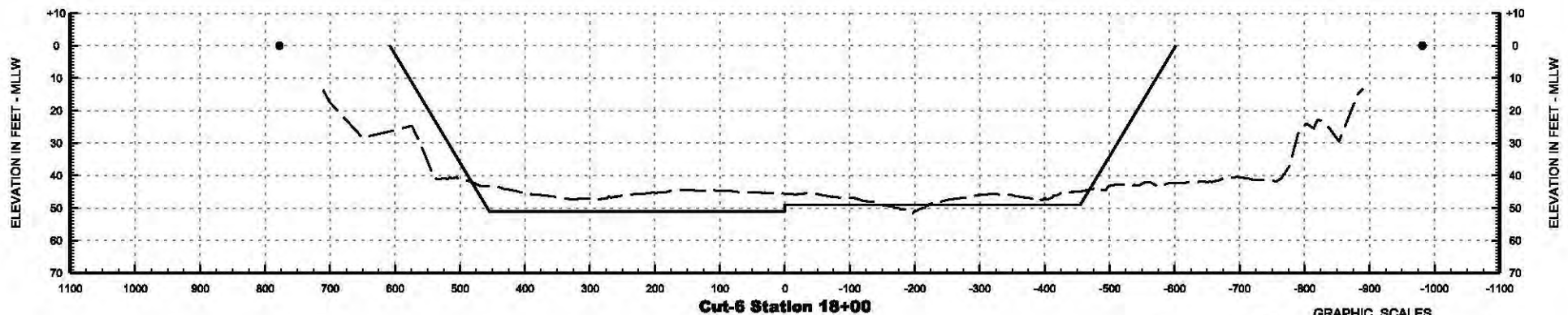
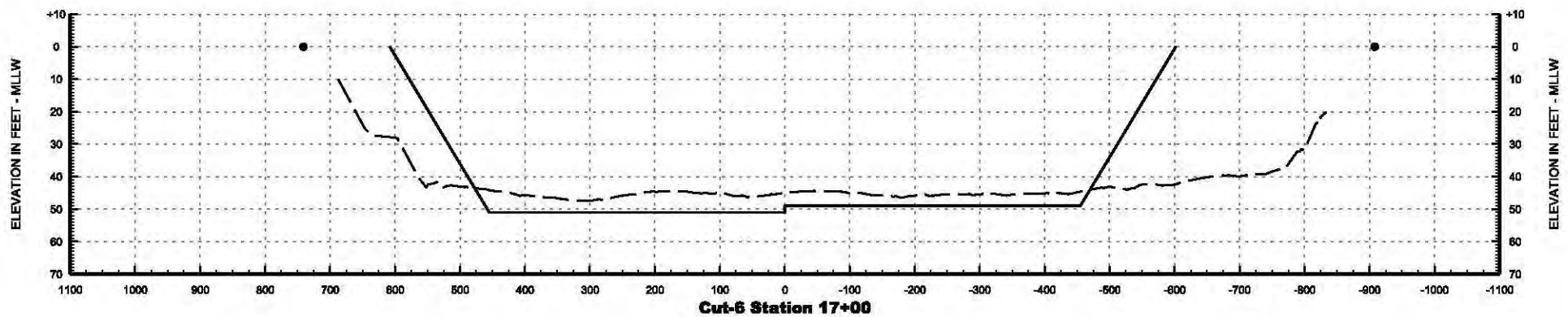
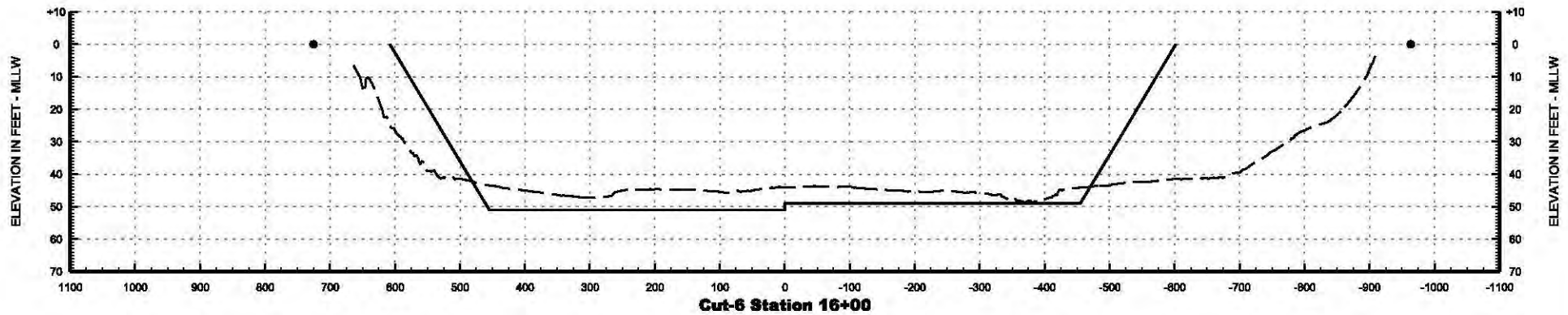
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-6 STATION 13+00 TO 15+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

58



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

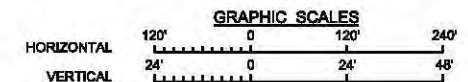
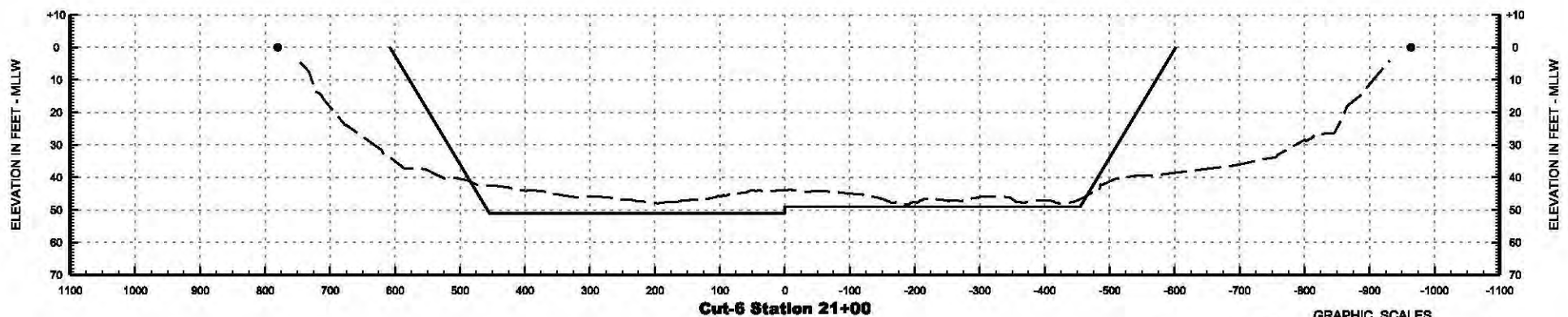
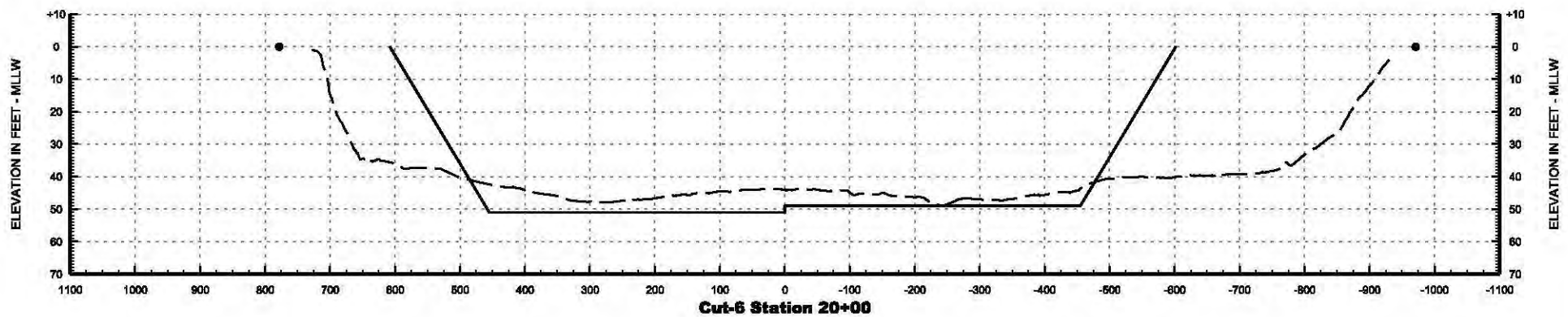
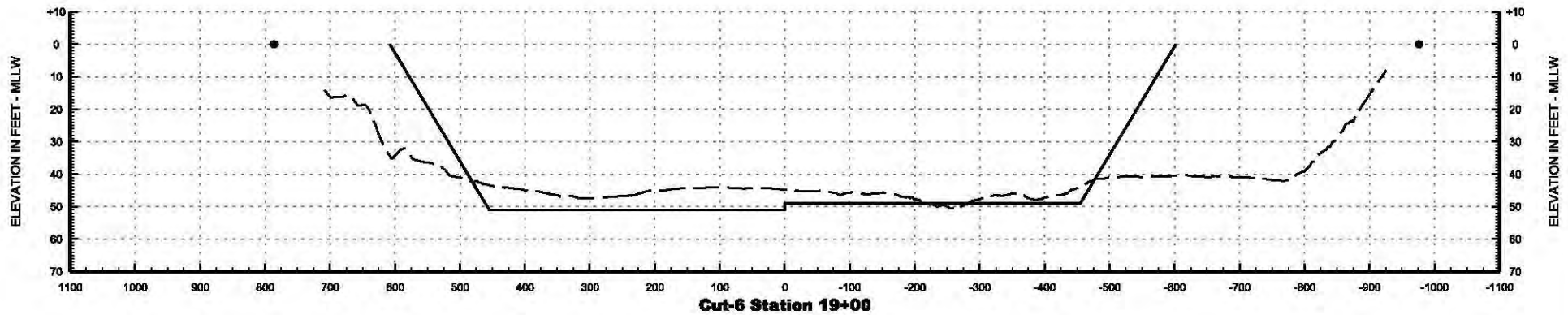
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-6 STATION 16+00 TO 18+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

59



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

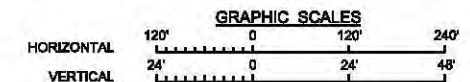
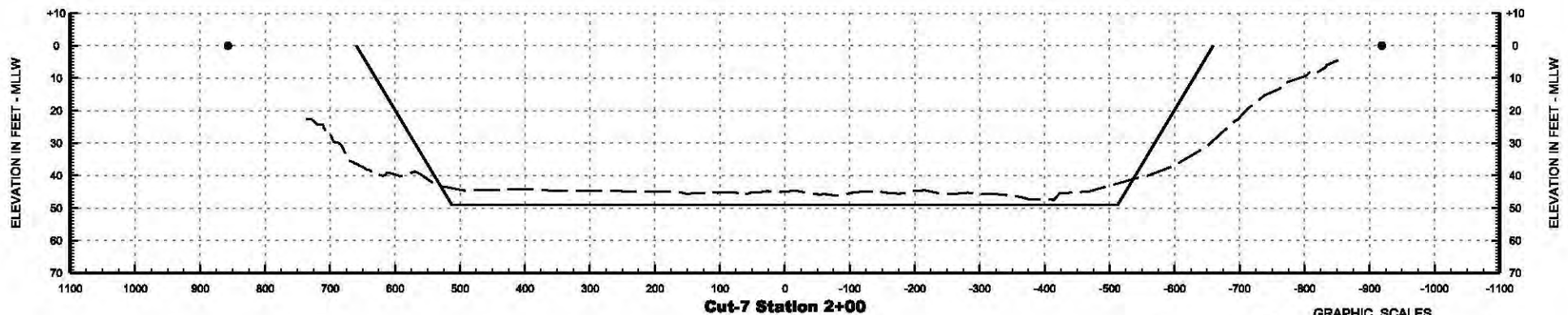
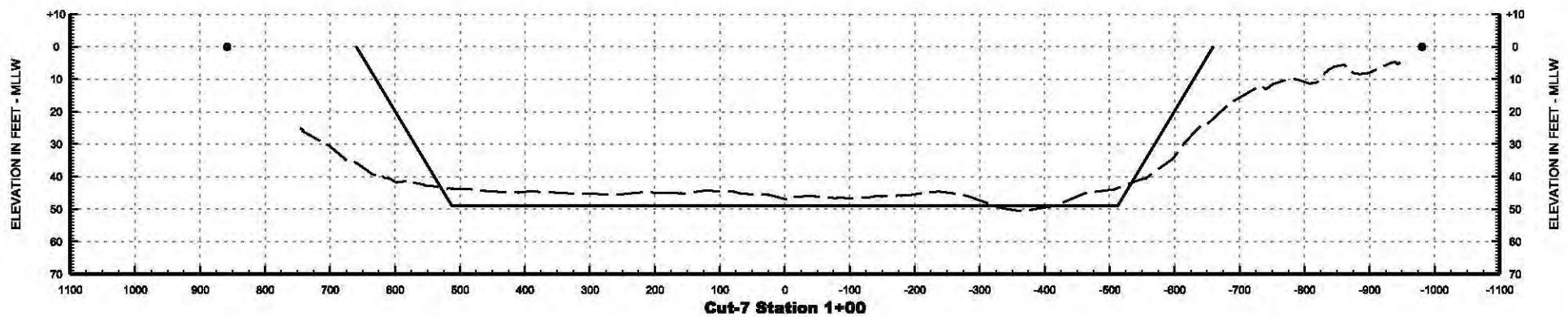
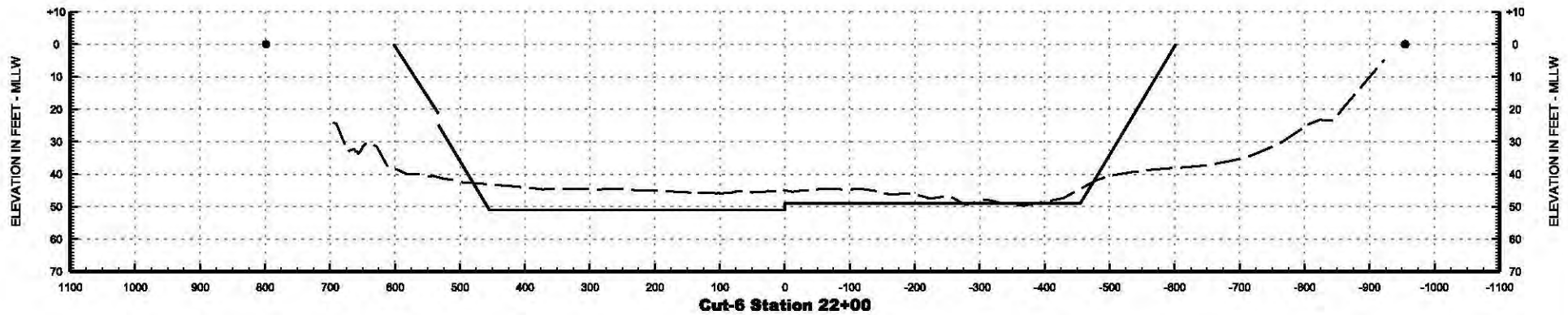
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-6 STATION 19+00 TO 21+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

60



• APPROXIMATE SHORELINE
 --- EXISTING GROUND
 — DREDGE TEMPLATE

NOTE: SHORELINE FALLS OUTSIDE LIMITS OF SECTION ON SECTIONS WHERE APPROXIMATE SHORELINE SYMBOL IS NOT SHOWN.



US Army Corps
of Engineers
Jacksonville District

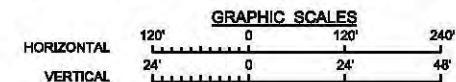
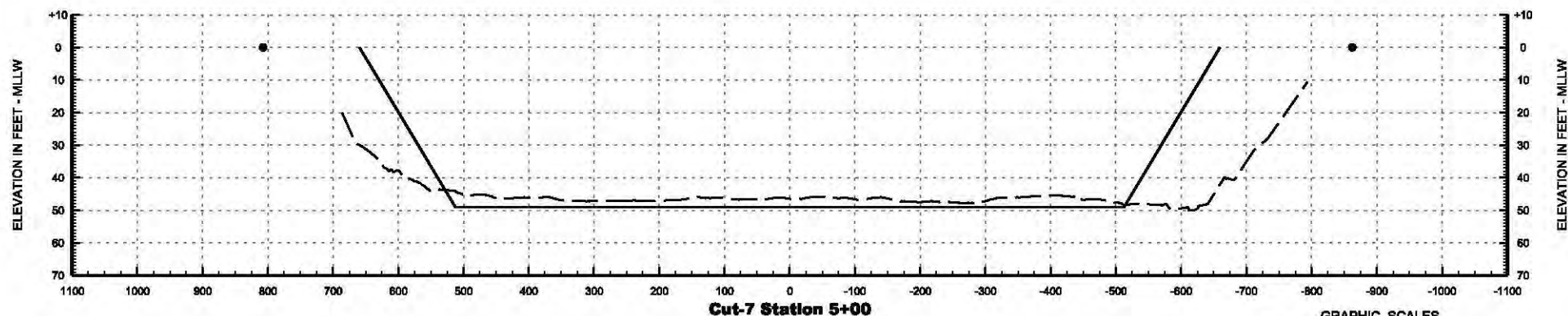
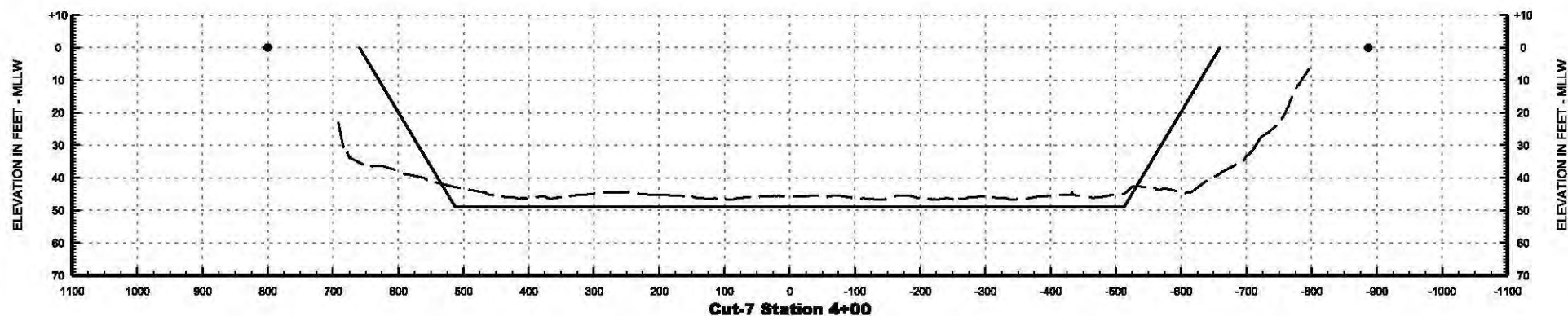
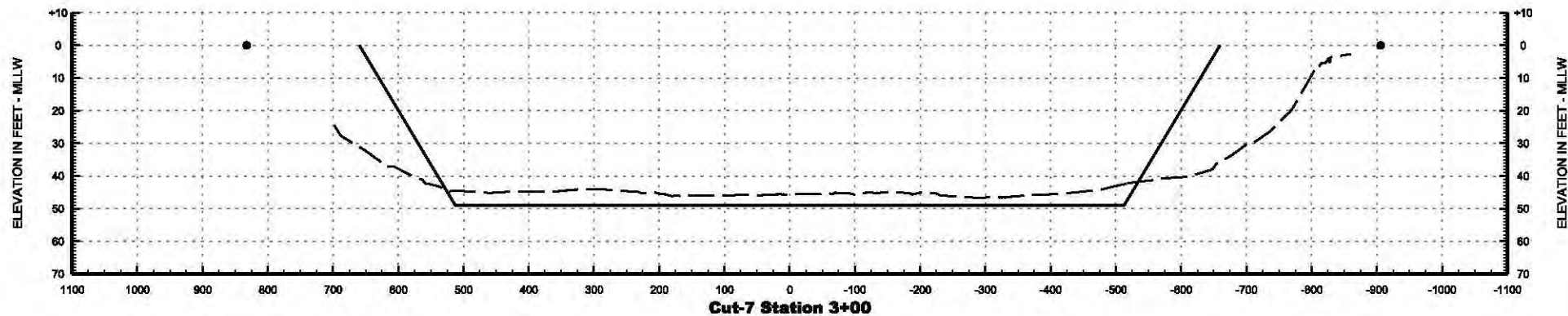
DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

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MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
 DUVAL COUNTY, FLORIDA
 DREDGING CROSS SECTIONS
 CUT-6 STATION 22+00 TO CUT-7 2+00
 GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

FIGURE

61



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

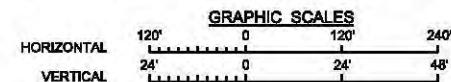
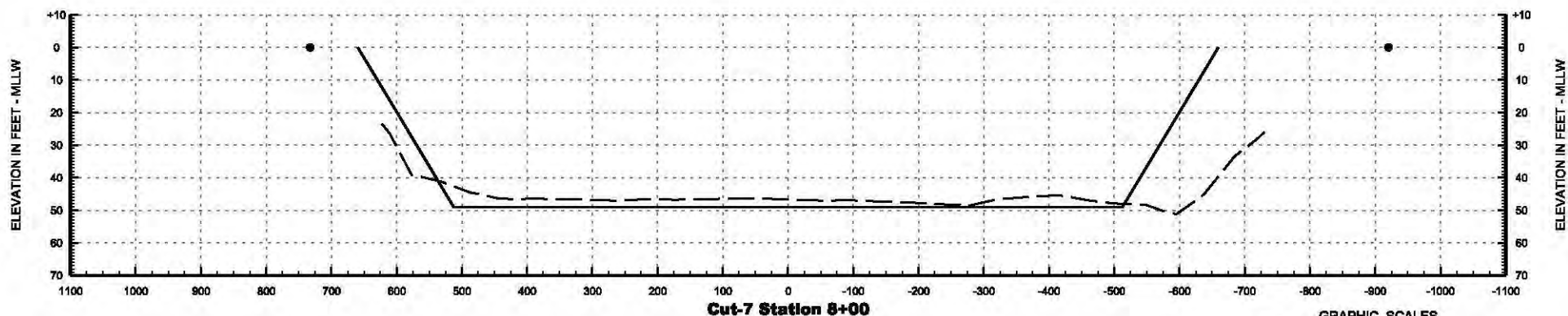
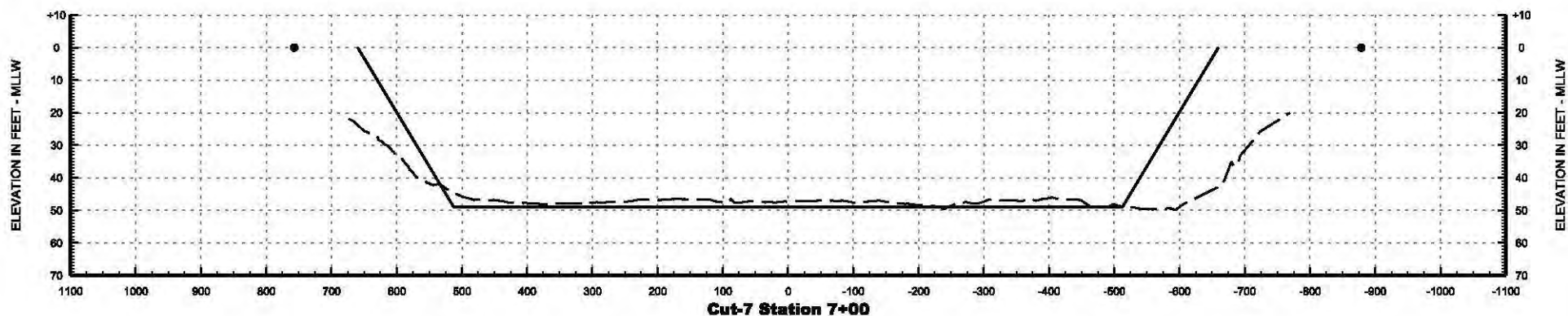
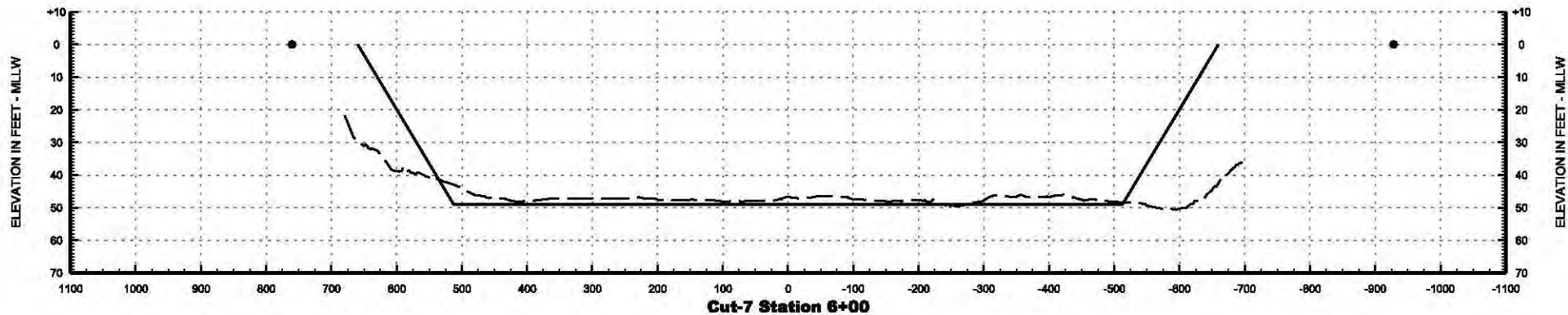
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-7 STATION 3+00 TO 5+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

62



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

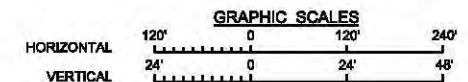
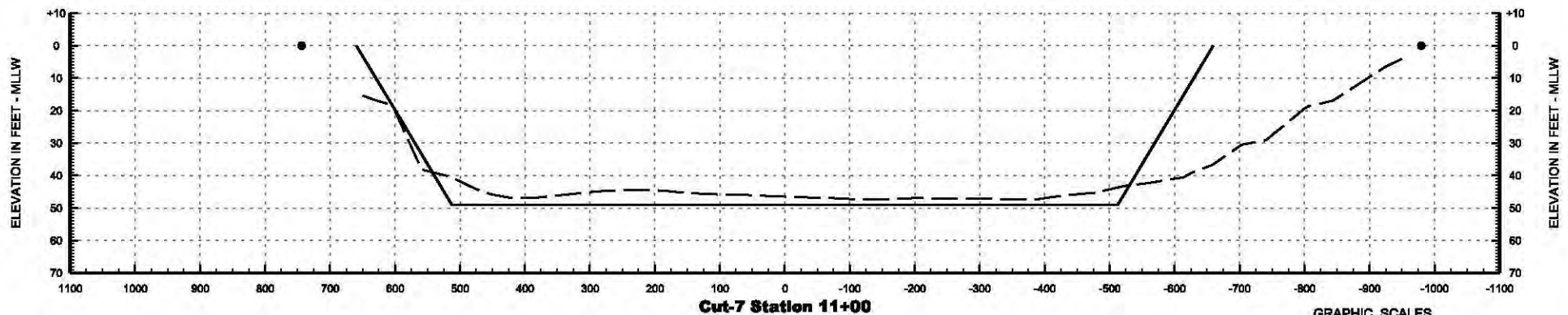
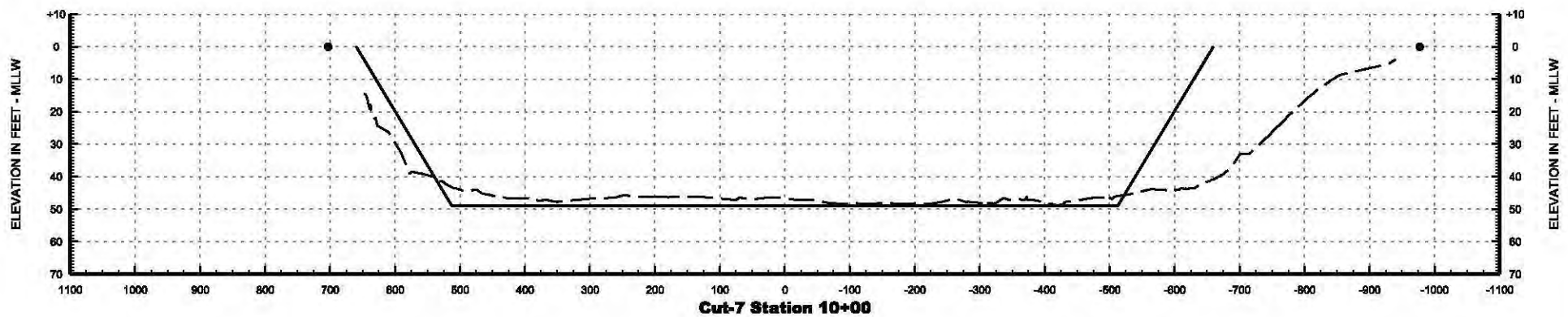
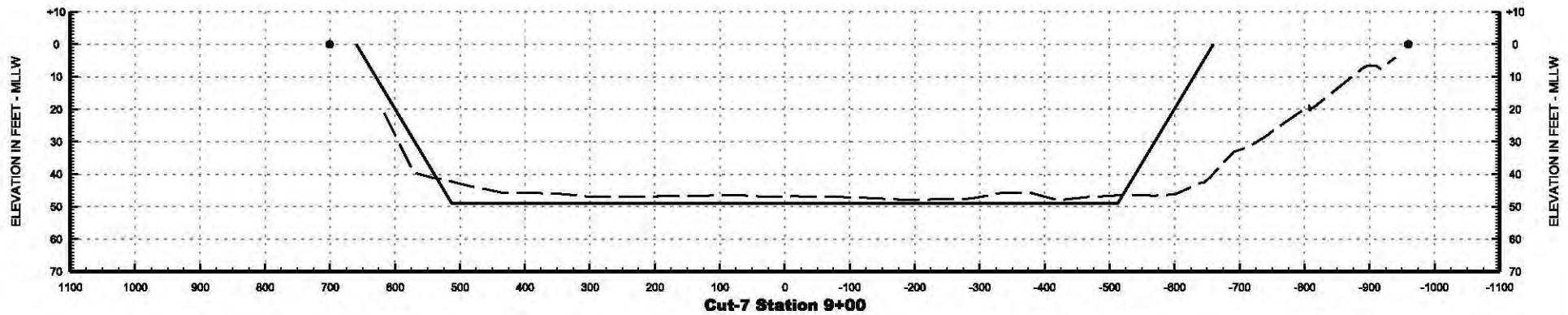
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-7 STATION 6+00 TO 8+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

63



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

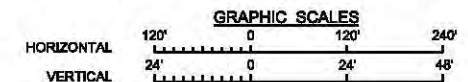
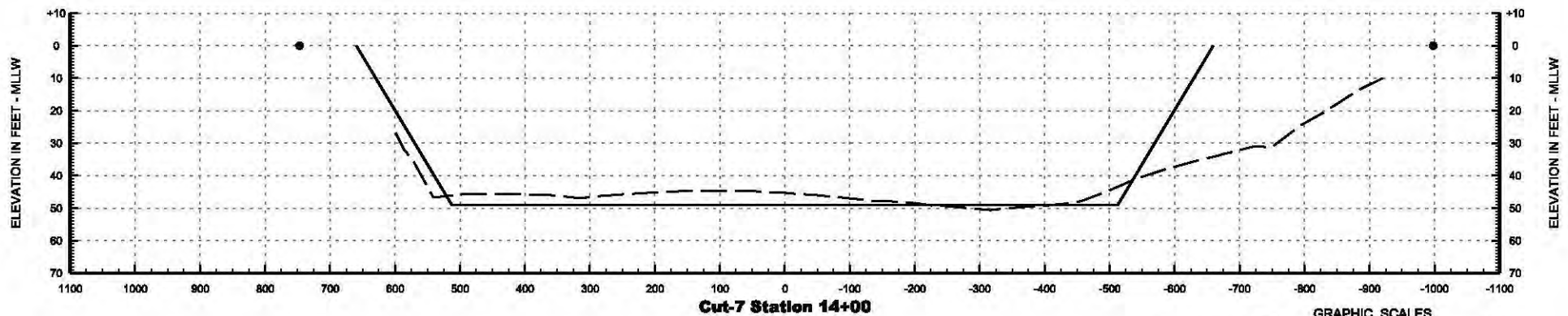
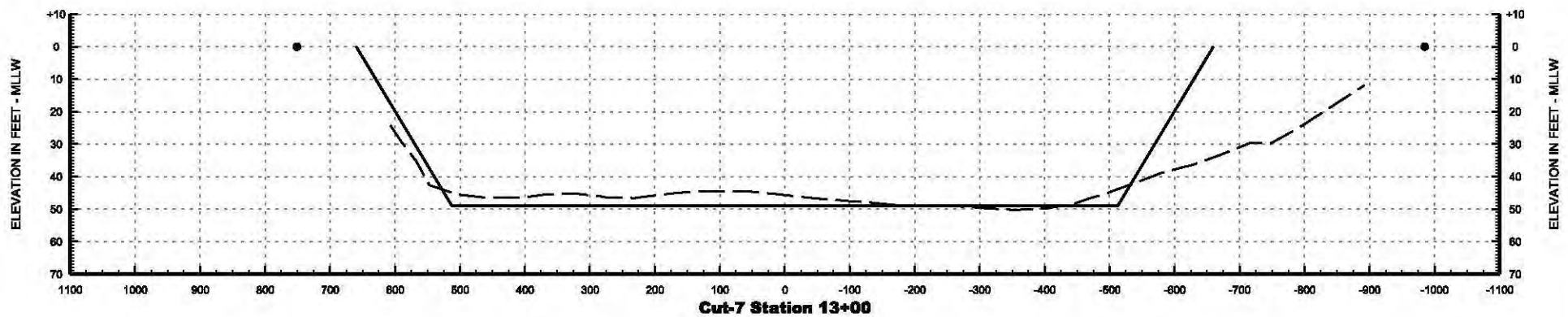
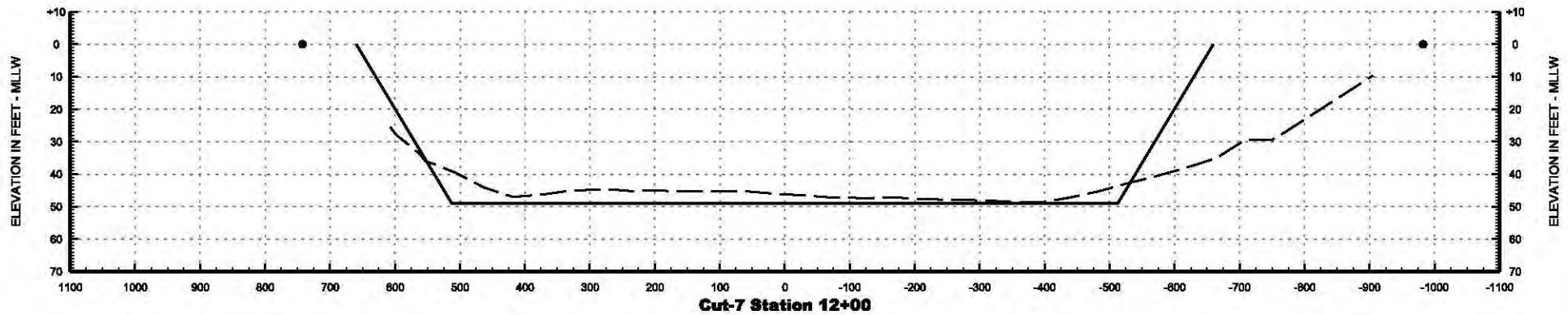
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-7 STATION 9+00 TO 11+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

64



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

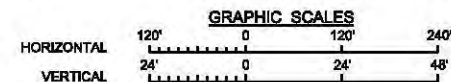
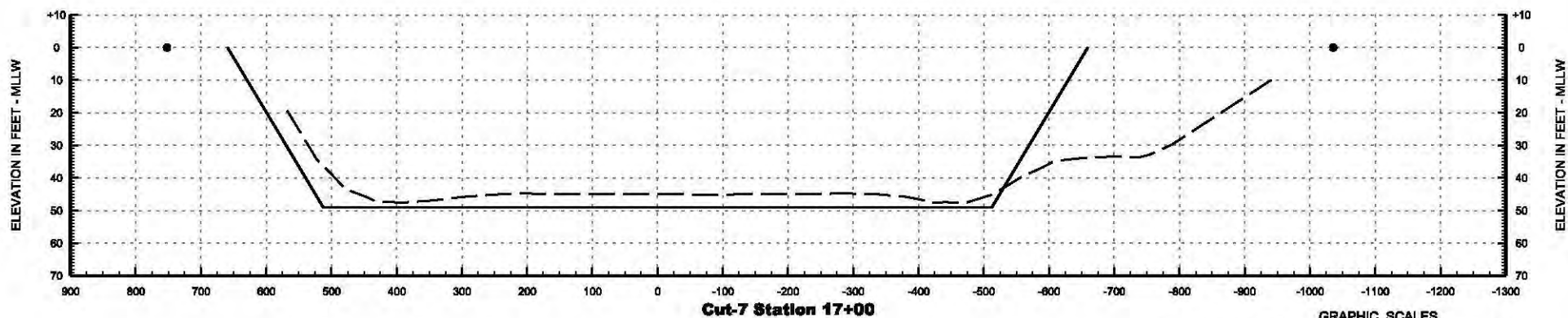
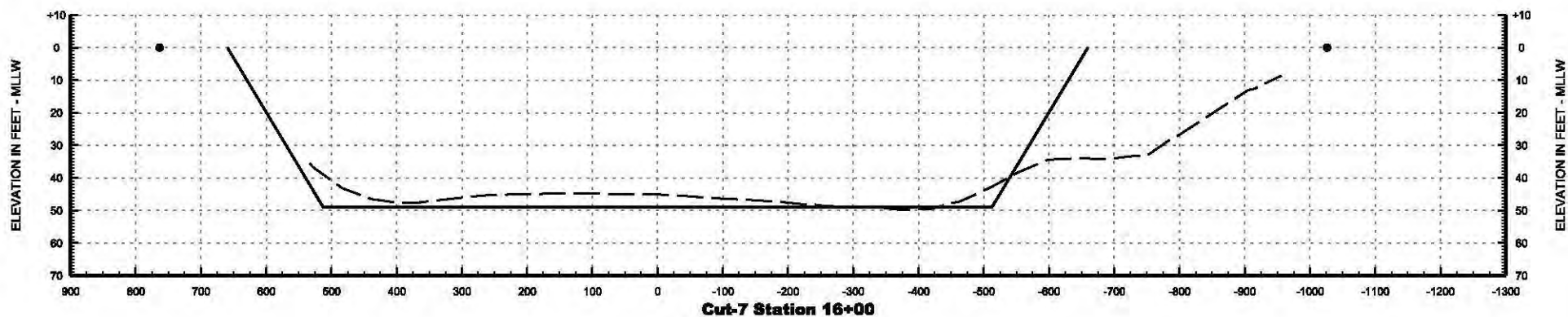
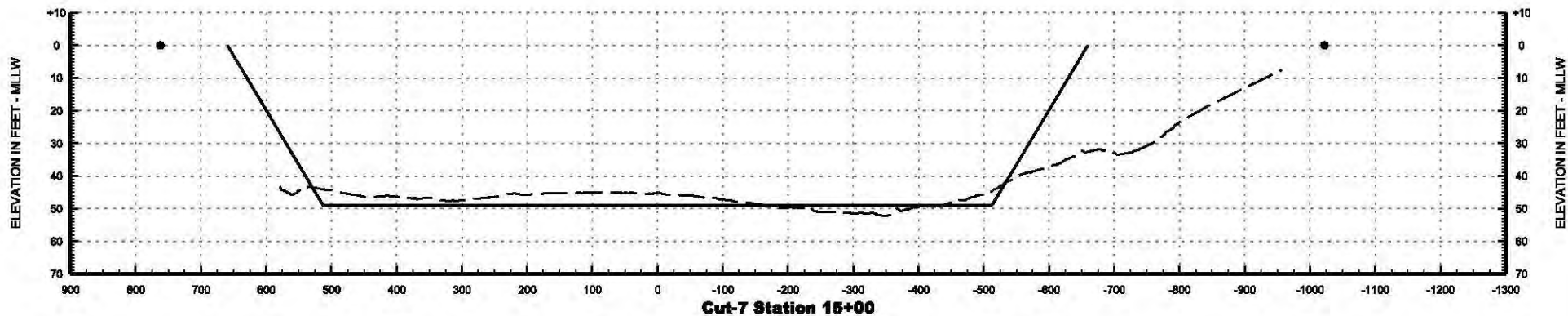
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DATED:
MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-7 STATION 12+00 TO 14+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

65



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

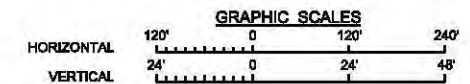
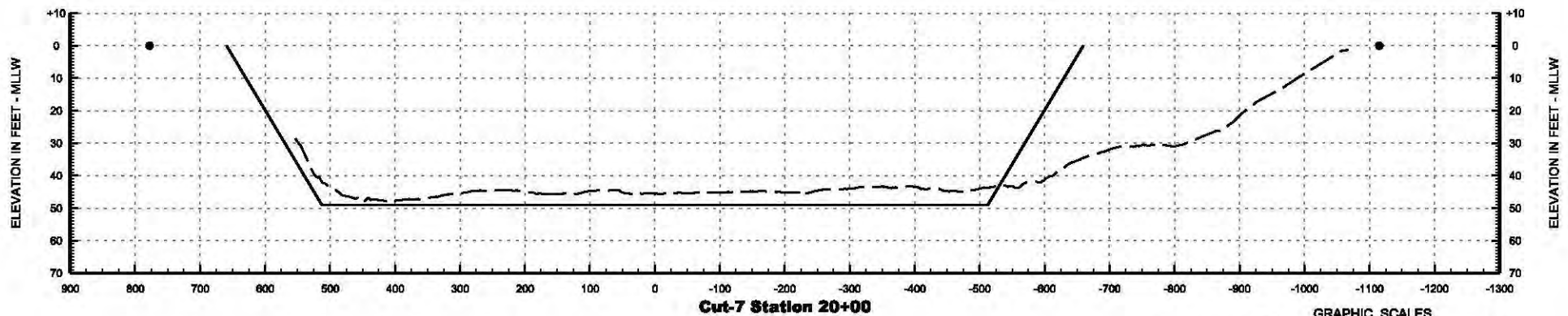
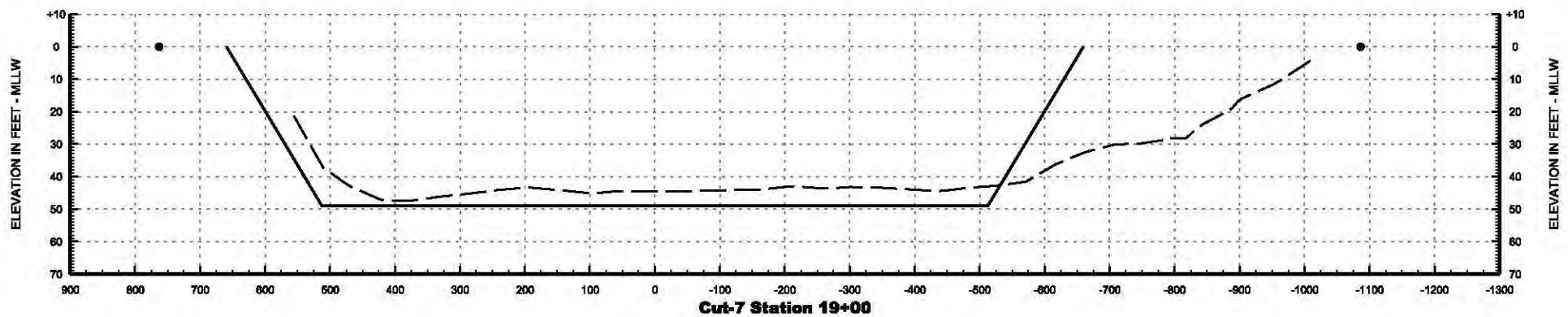
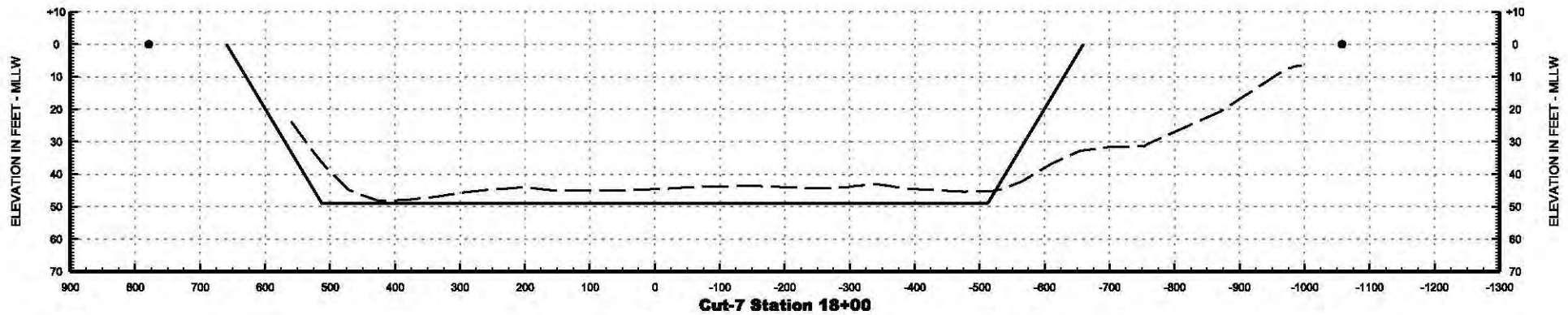
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MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-7 STATION 15+00 TO 17+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

66



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

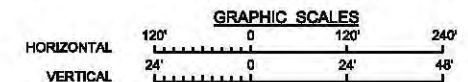
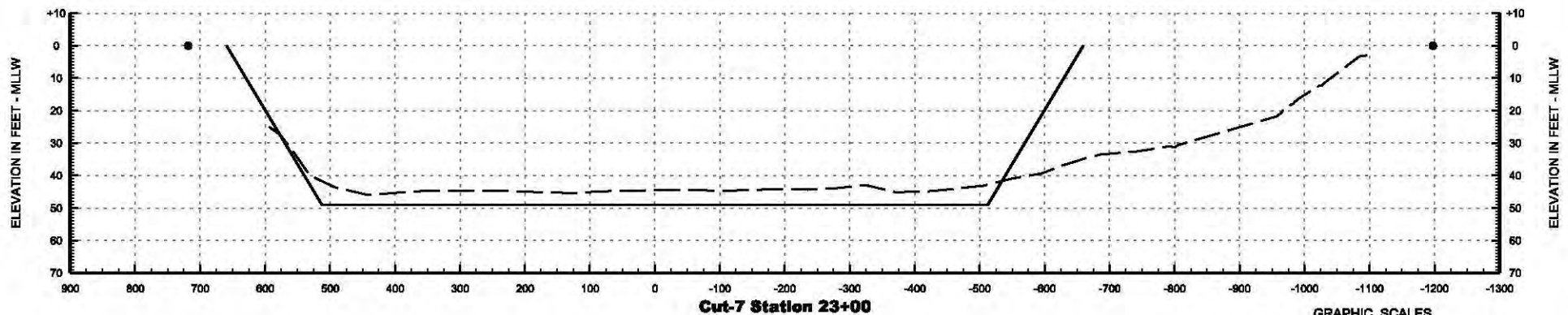
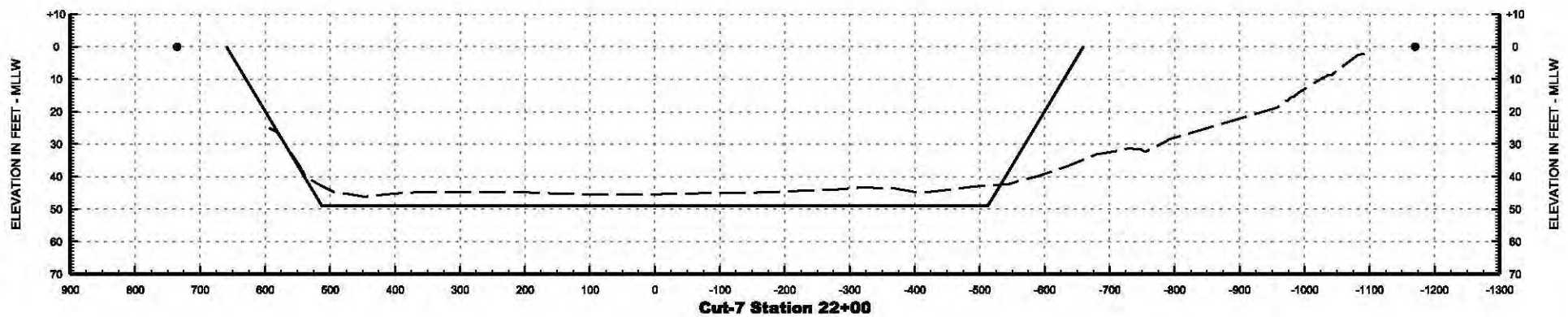
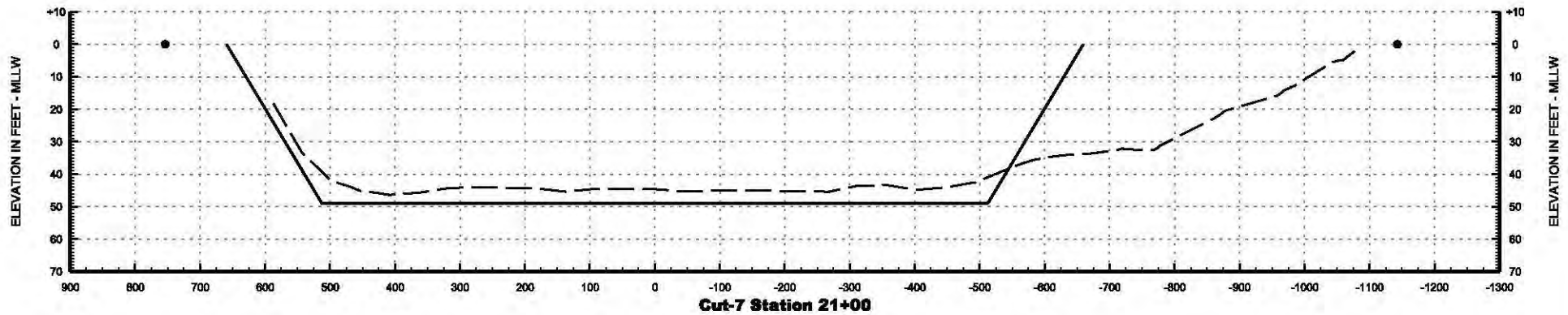
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-7 STATION 18+00 TO 20+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

67



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

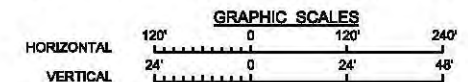
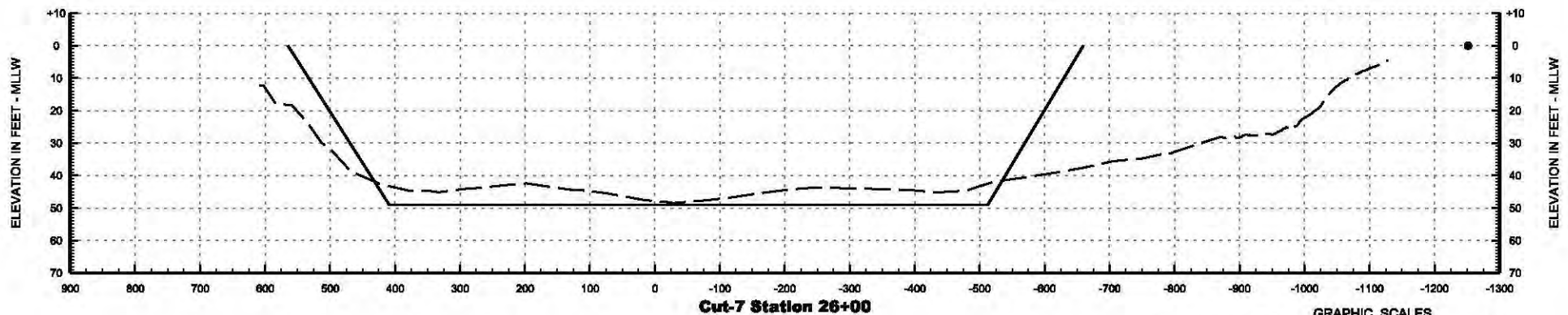
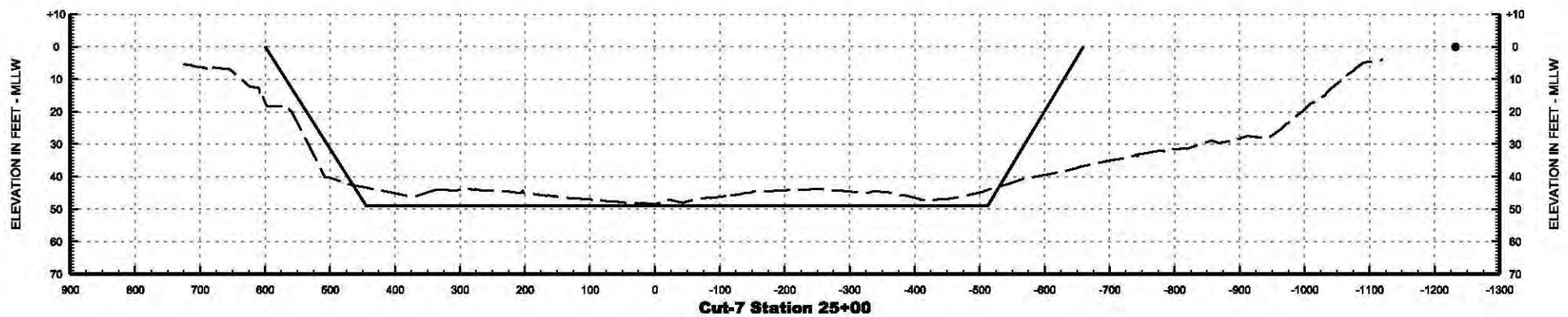
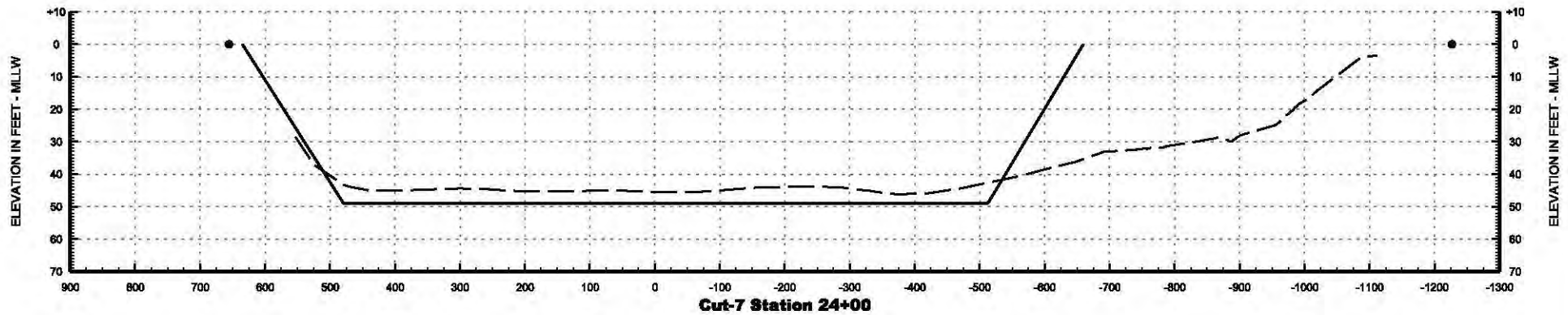
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-7 STATION 21+00 TO 23+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

68



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

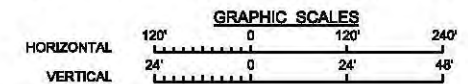
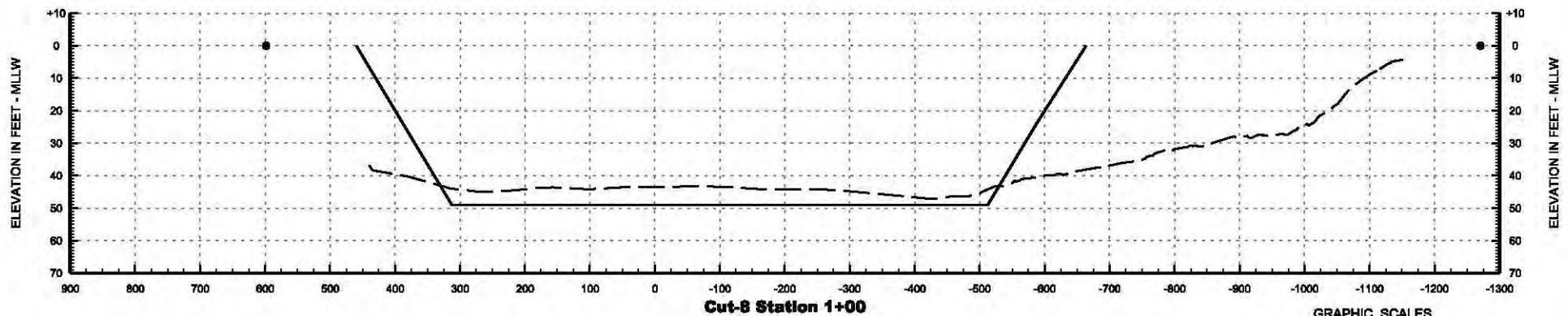
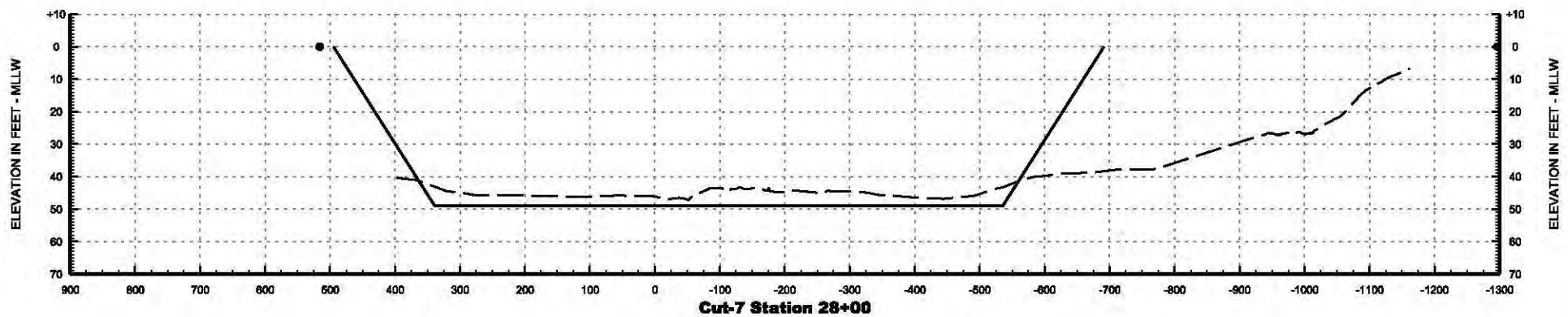
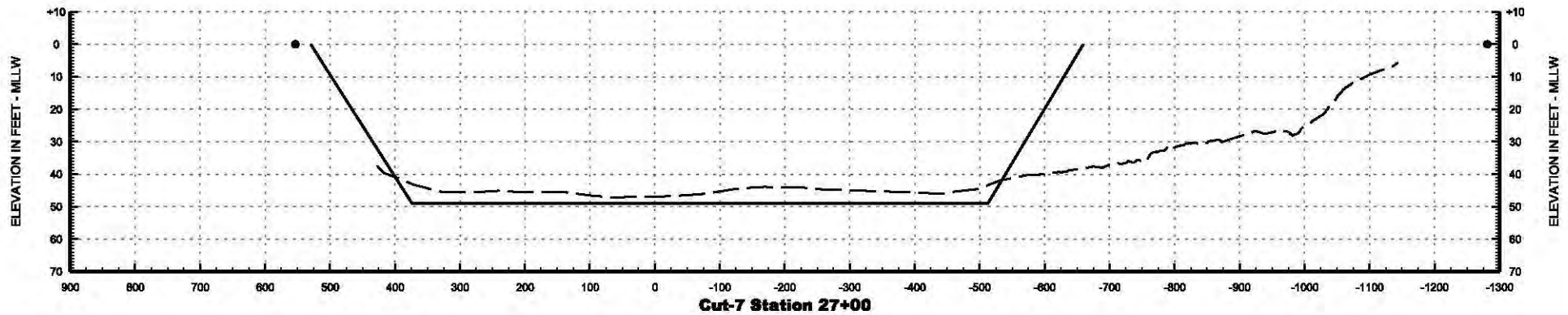
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-7 STATION 24+00 TO 26+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

69



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

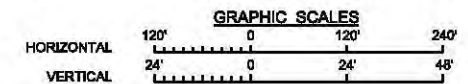
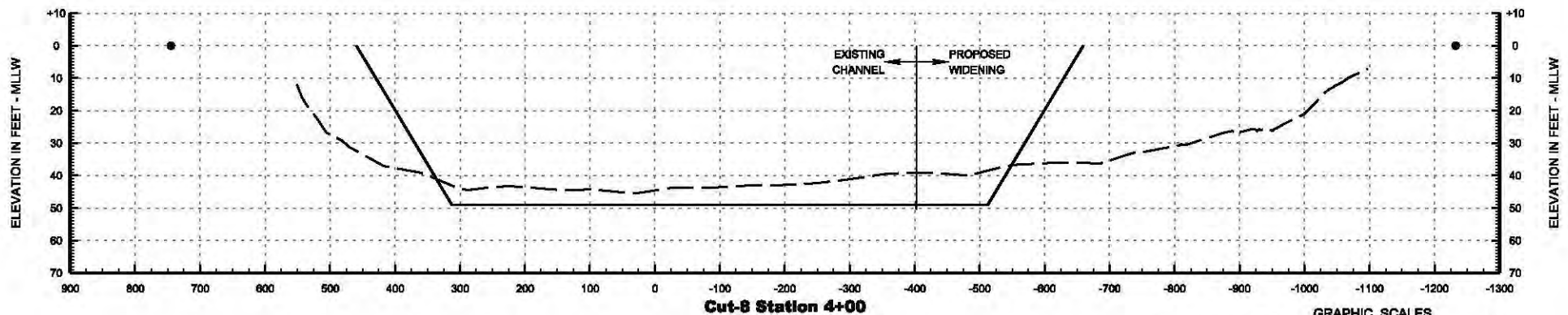
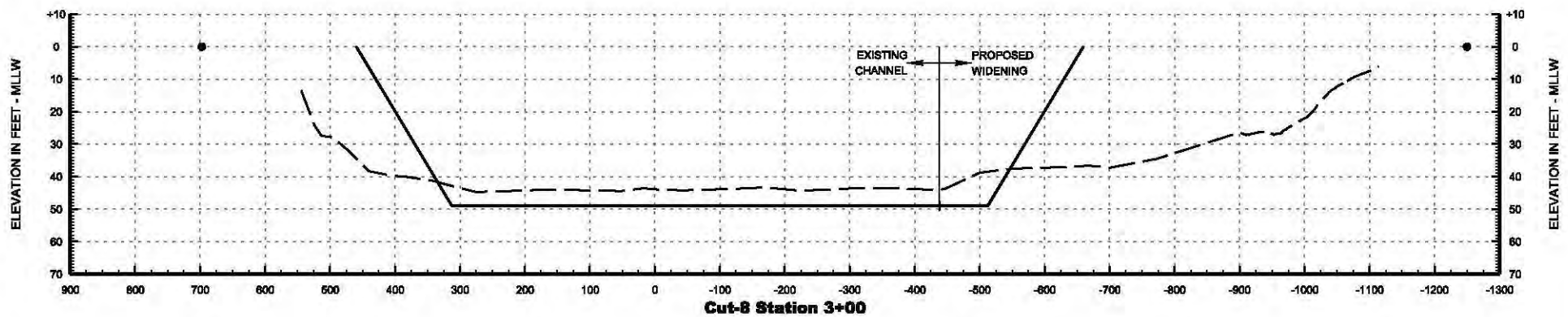
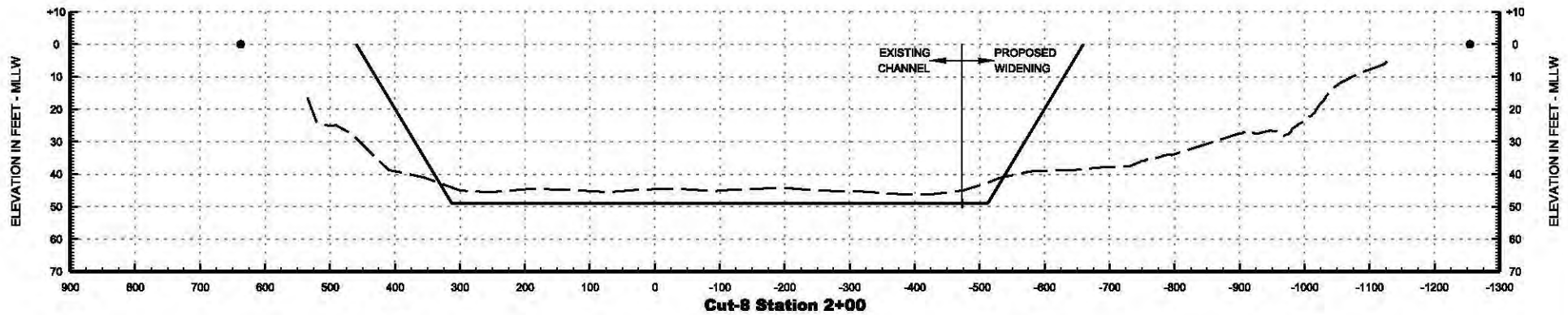
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-7 STATION 27+00 TO CUT-8 STATION 1+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

70



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

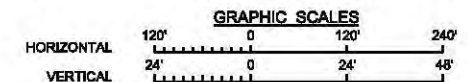
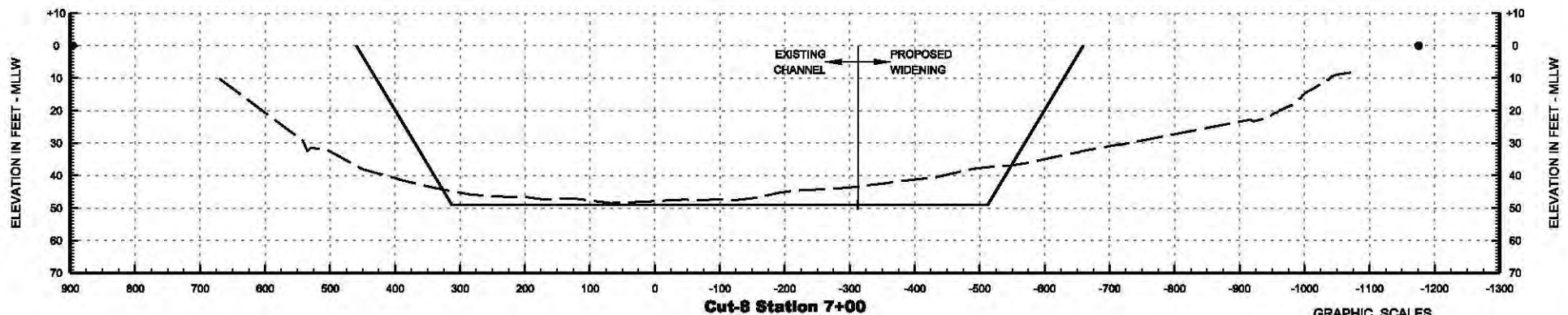
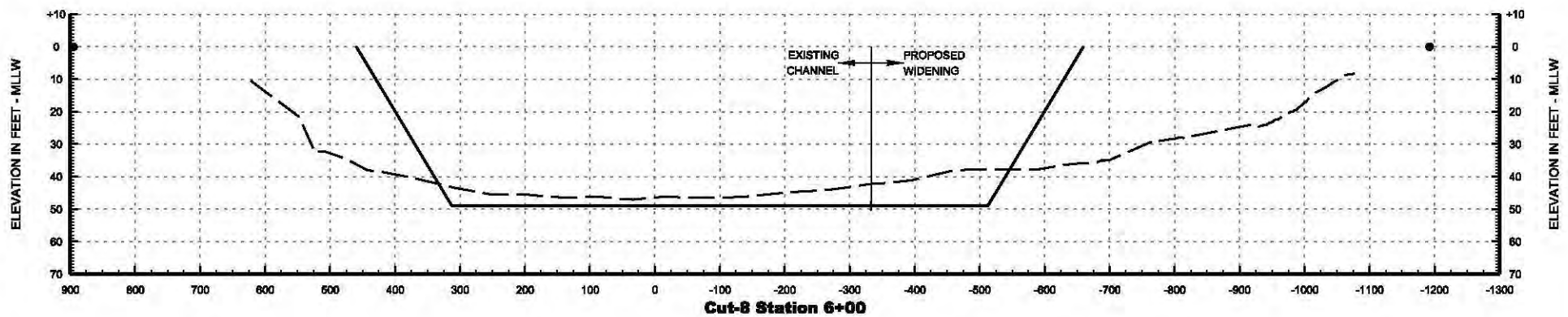
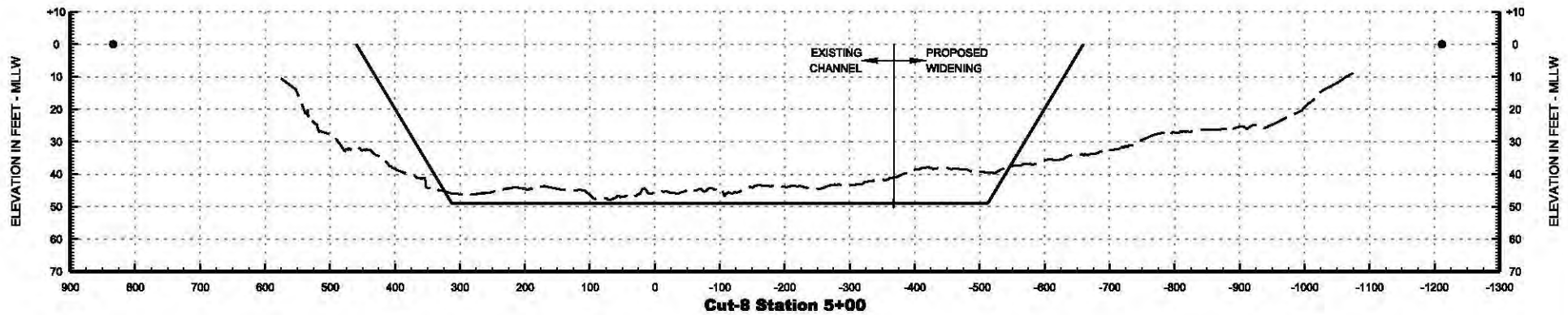
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-8 STATION 2+00 TO 4+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

71



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

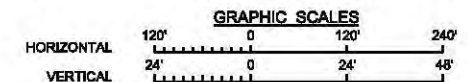
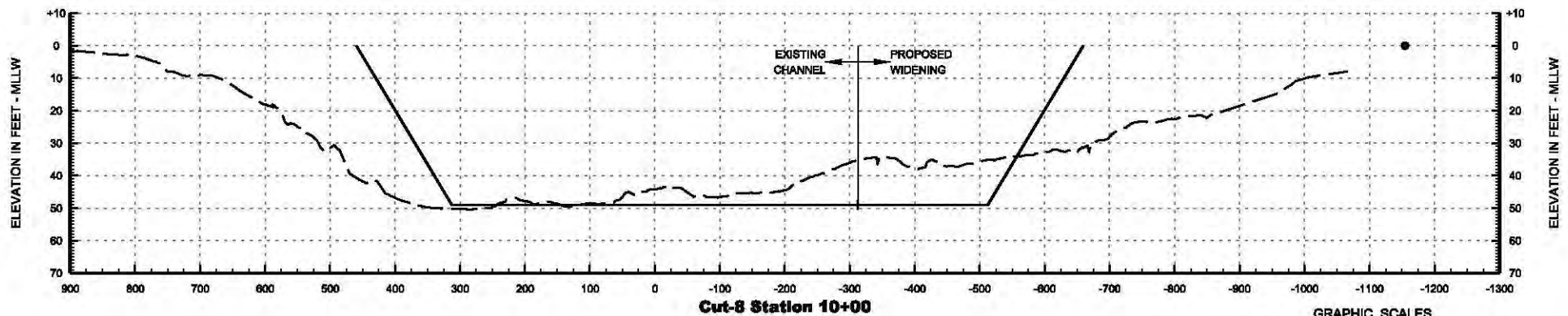
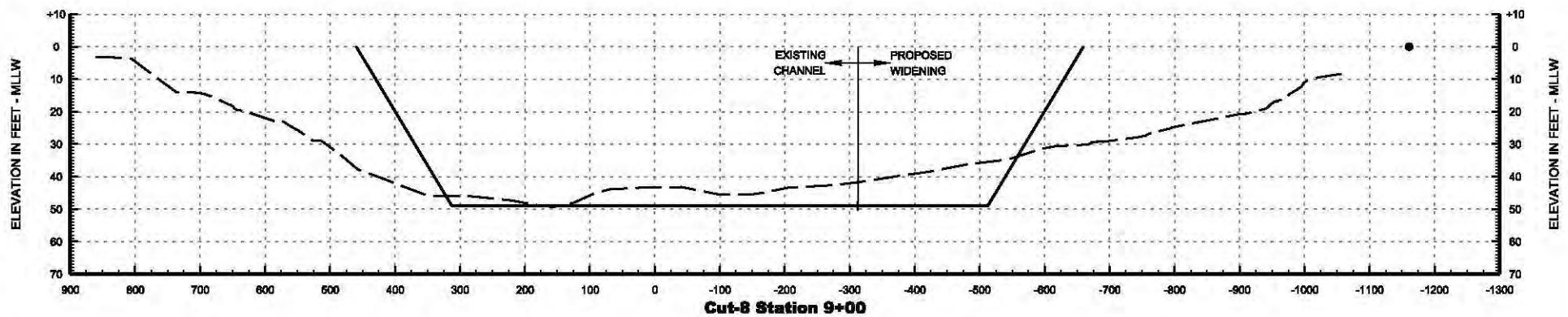
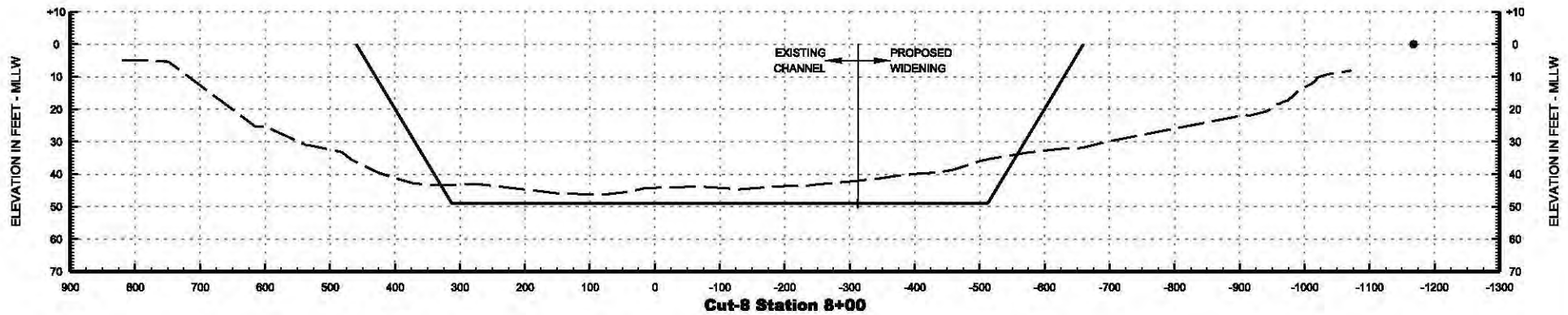
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JACKSONVILLE HARBOR NAVIGATION PROJECT
 DUVAL COUNTY, FLORIDA
 DREDGING CROSS SECTIONS
 CUT-8 STATION 5+00 TO 7+00
 GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

● APPROXIMATE SHORELINE
 --- EXISTING GROUND
 --- DREDGE TEMPLATE
 NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
 SECTION ON SECTIONS WHERE APPROXIMATE
 SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

72



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

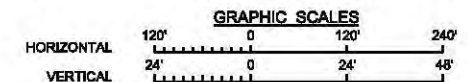
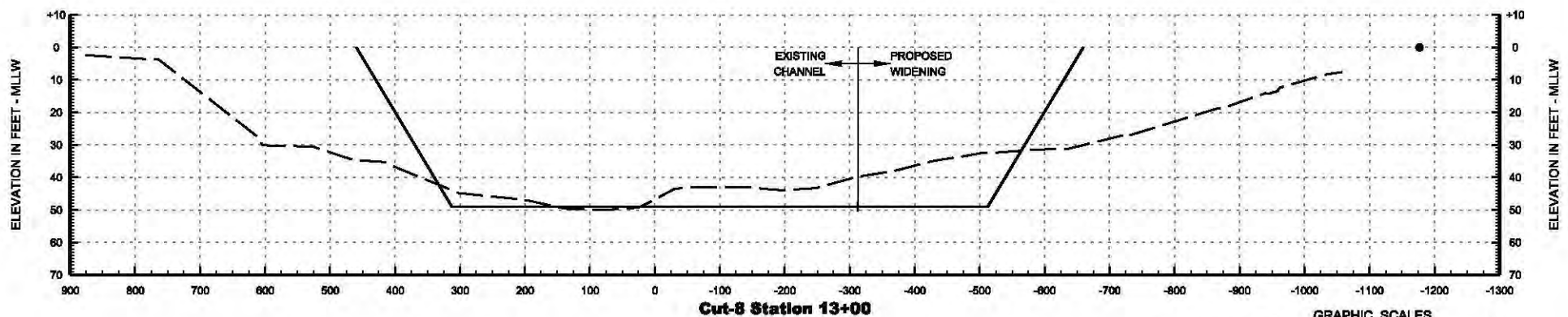
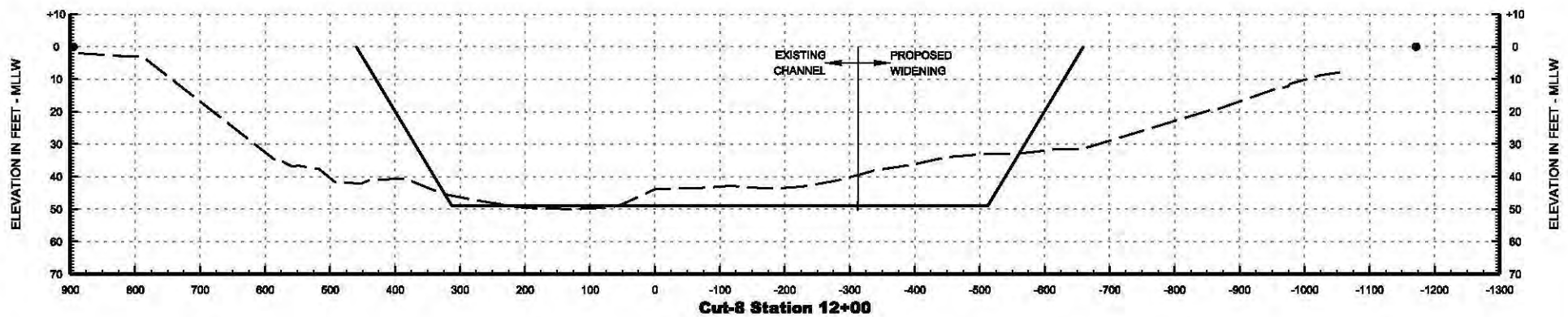
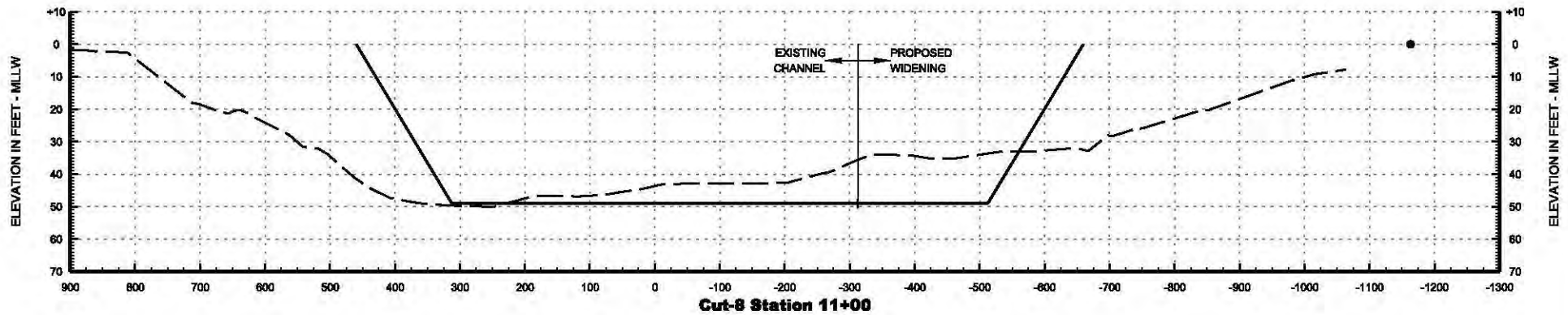
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-8 STATION 8+00 TO 10+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

73



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

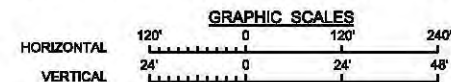
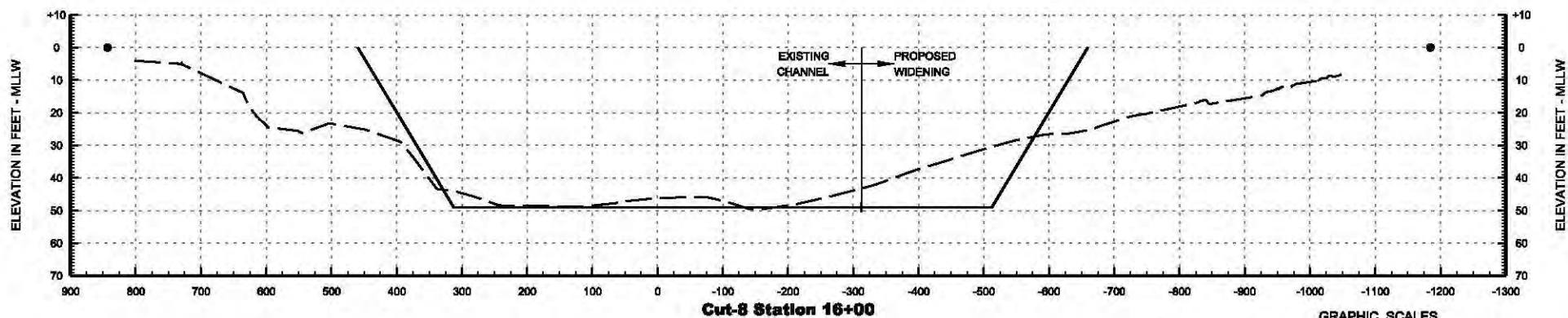
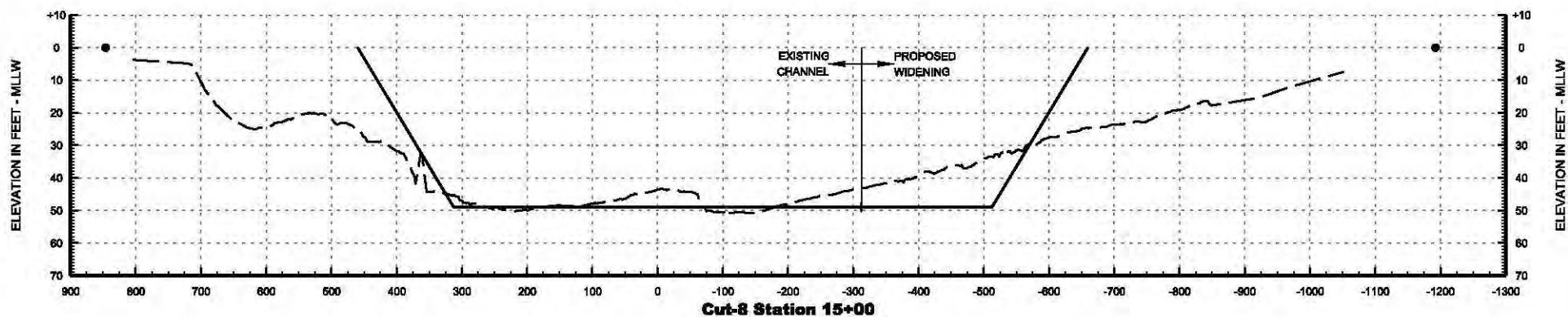
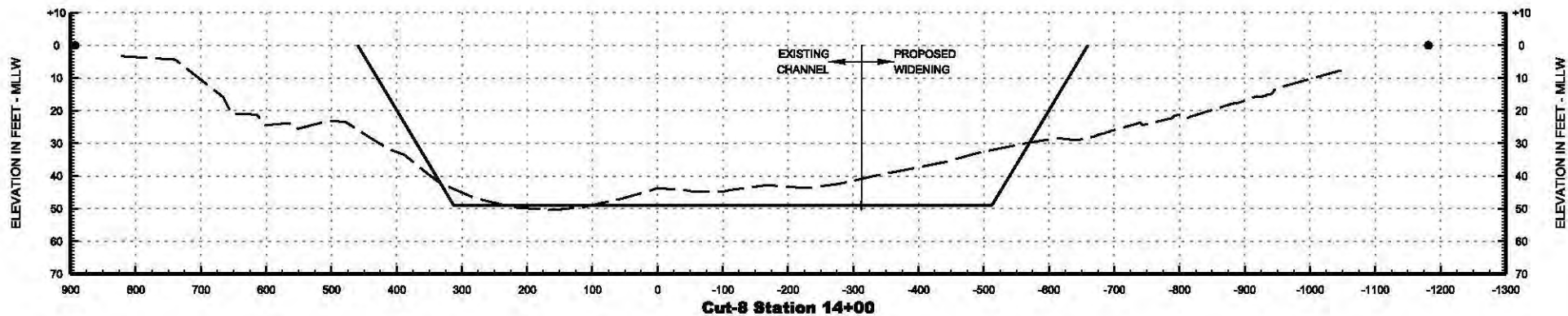
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JACKSONVILLE HARBOR NAVIGATION PROJECT
 DUVAL COUNTY, FLORIDA
 DREDGING CROSS SECTIONS
 CUT-8 STATION 11+00 TO 13+00
 GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
 — — — EXISTING GROUND
 — — — DREDGE TEMPLATE
 NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
 SECTION ON SECTIONS WHERE APPROXIMATE
 SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

74



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

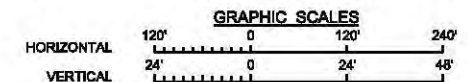
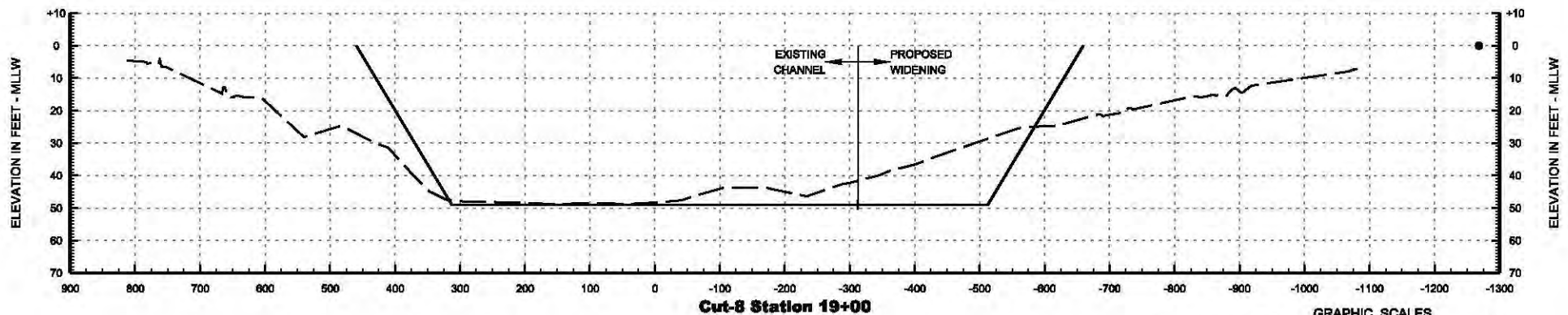
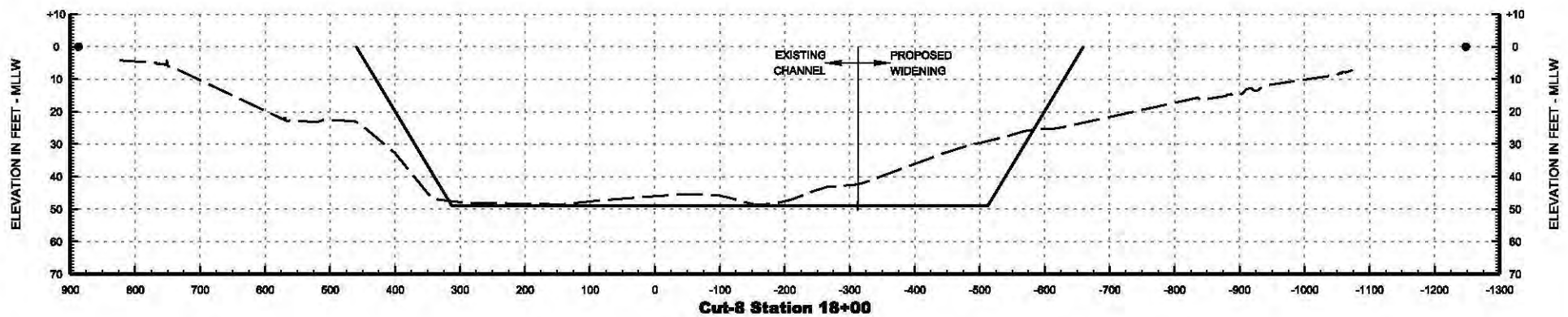
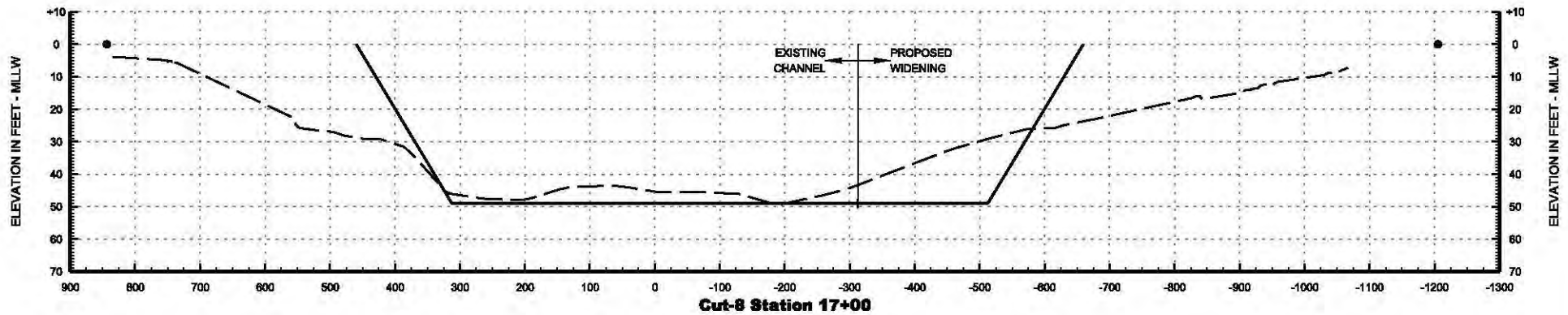
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-8 STATION 14+00 TO 16+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

75



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

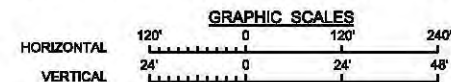
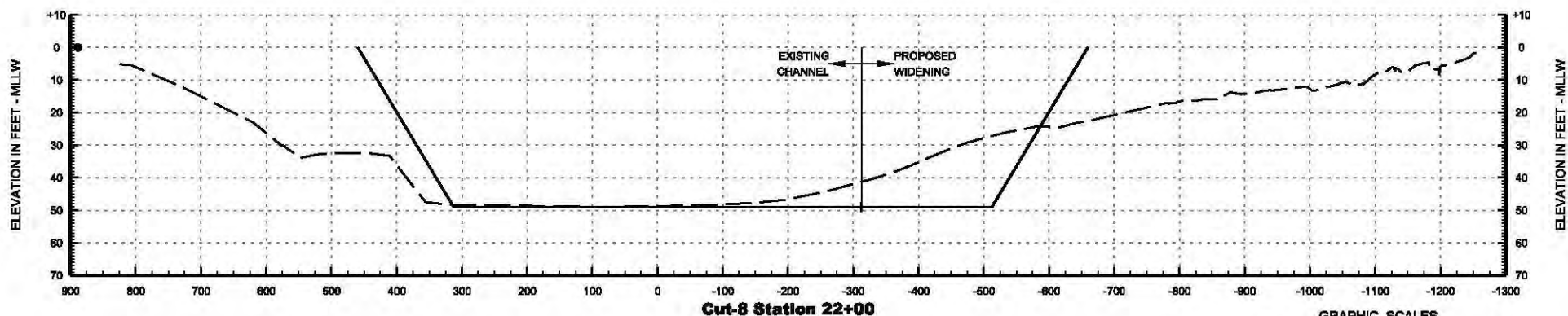
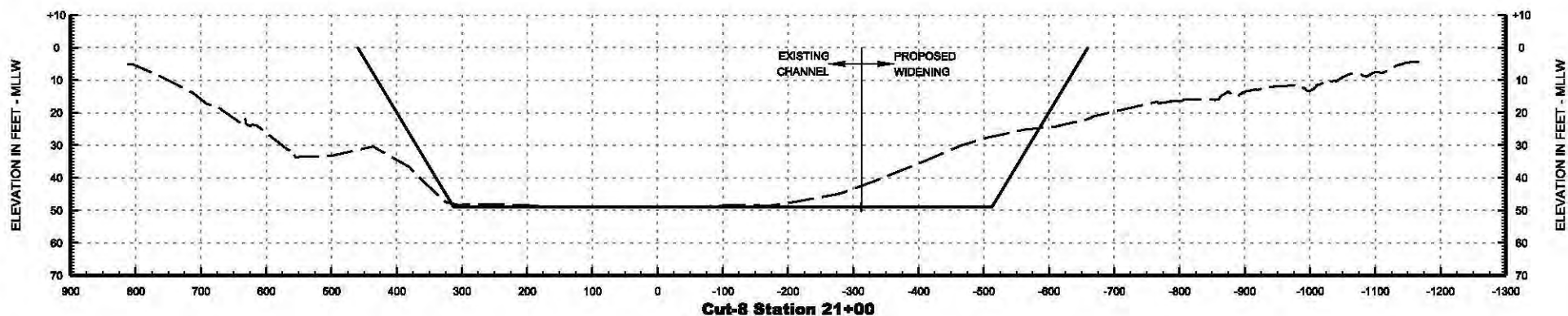
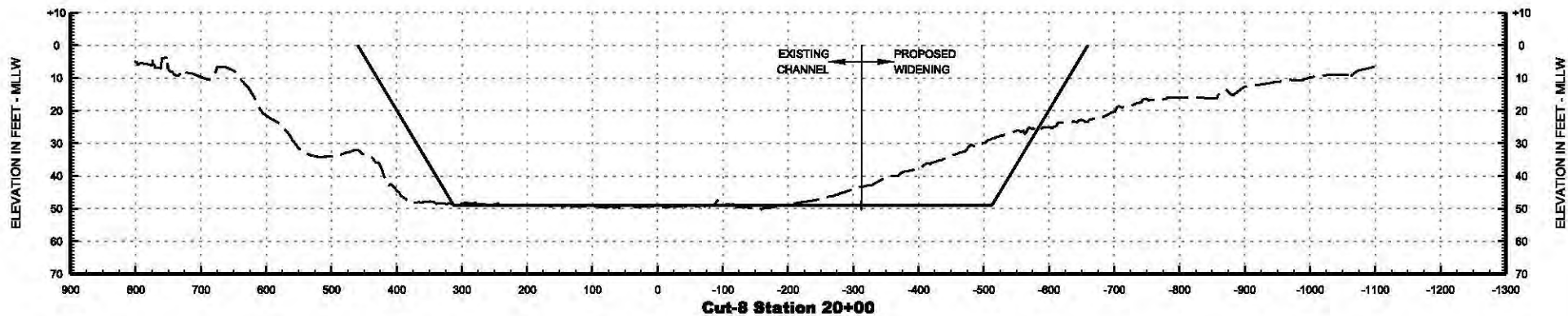
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-8 STATION 17+00 TO 19+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

76



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

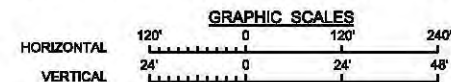
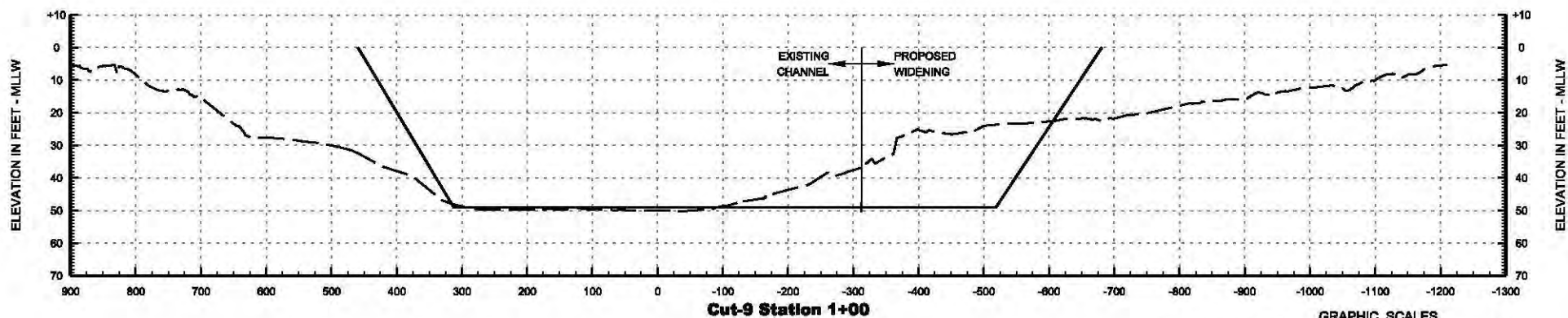
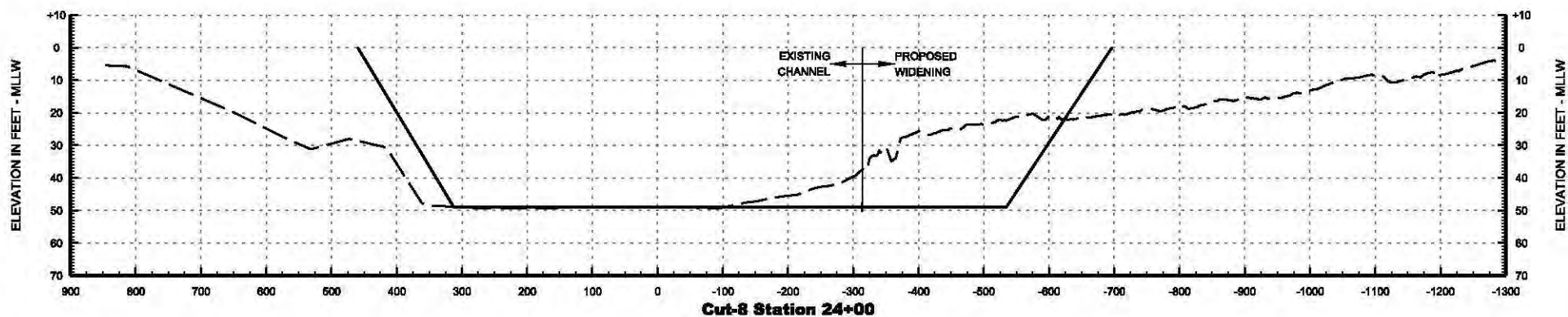
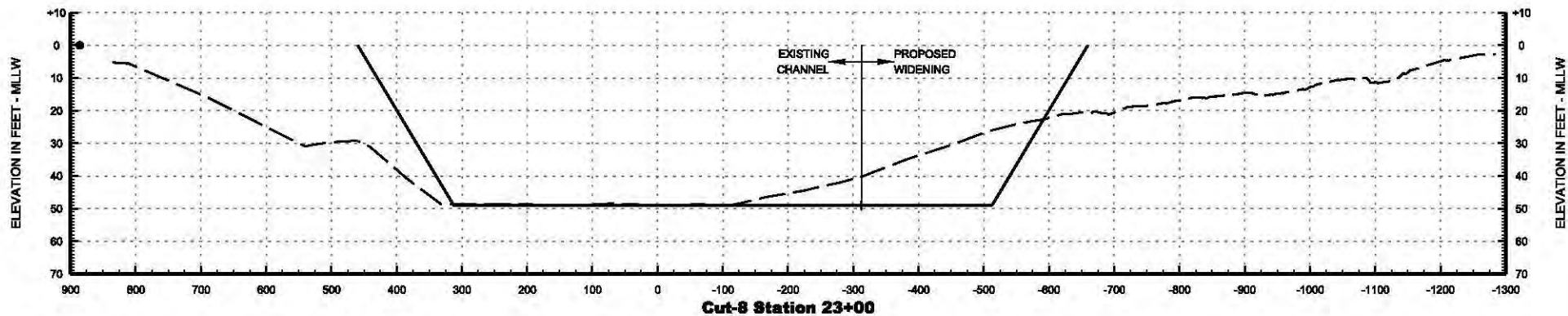
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MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-8 STATION 20+00 TO 22+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

77



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

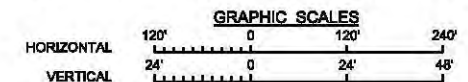
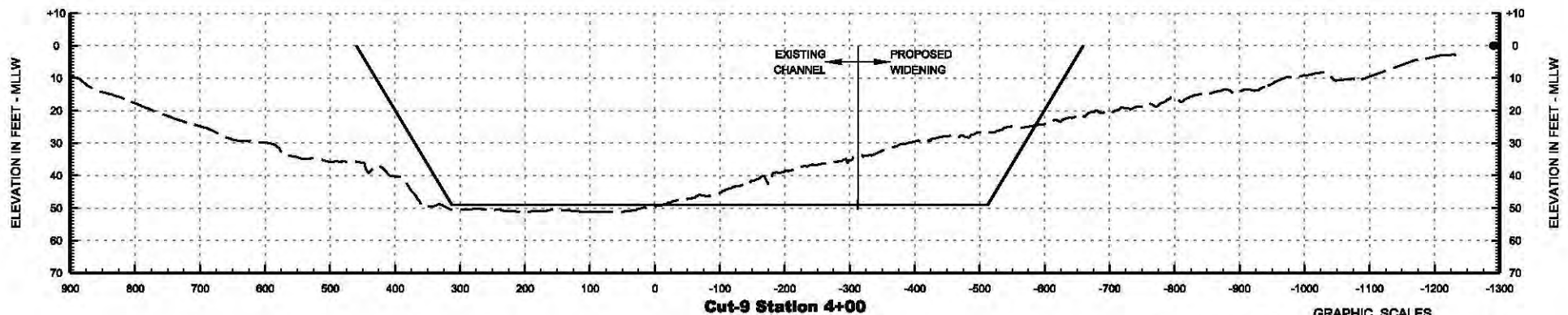
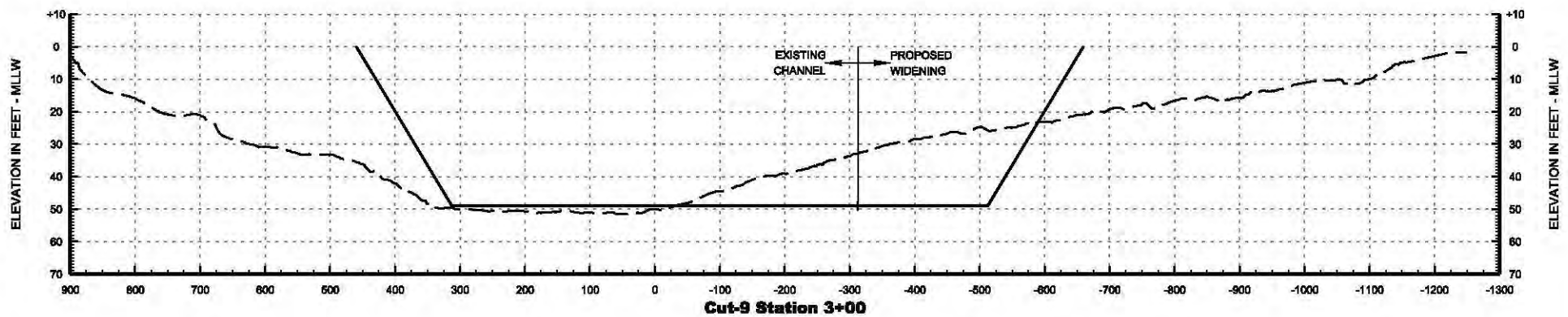
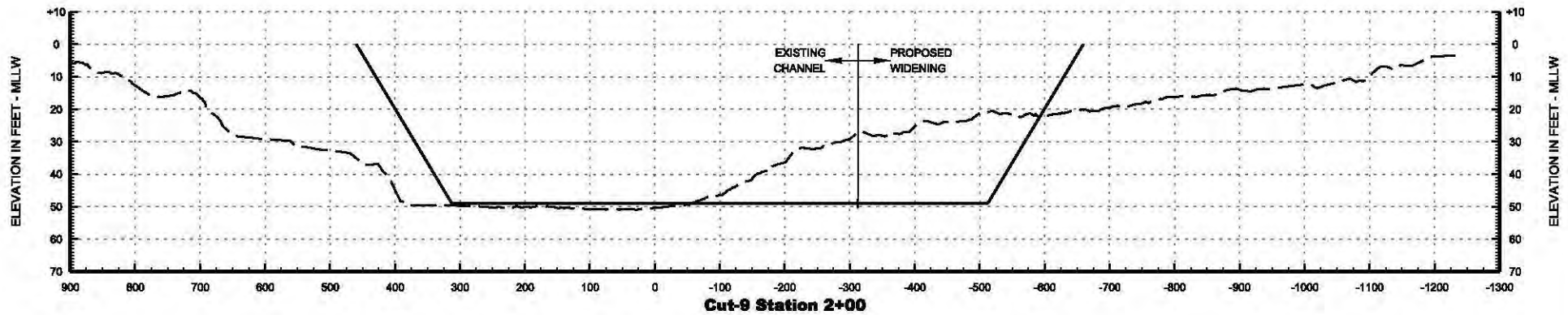
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-8 STATION 23+00 TO CUT-9 STATION 1+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

78



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

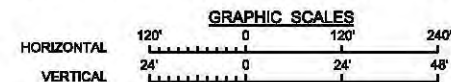
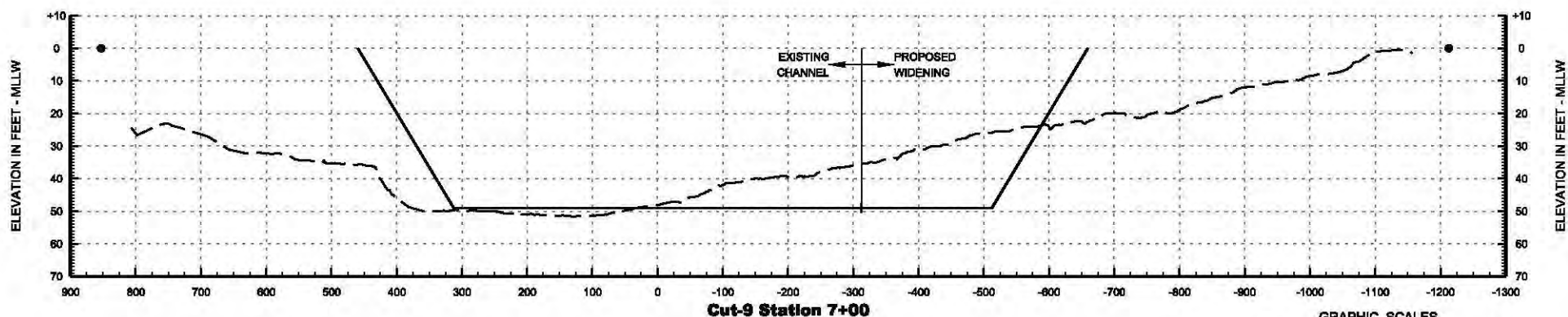
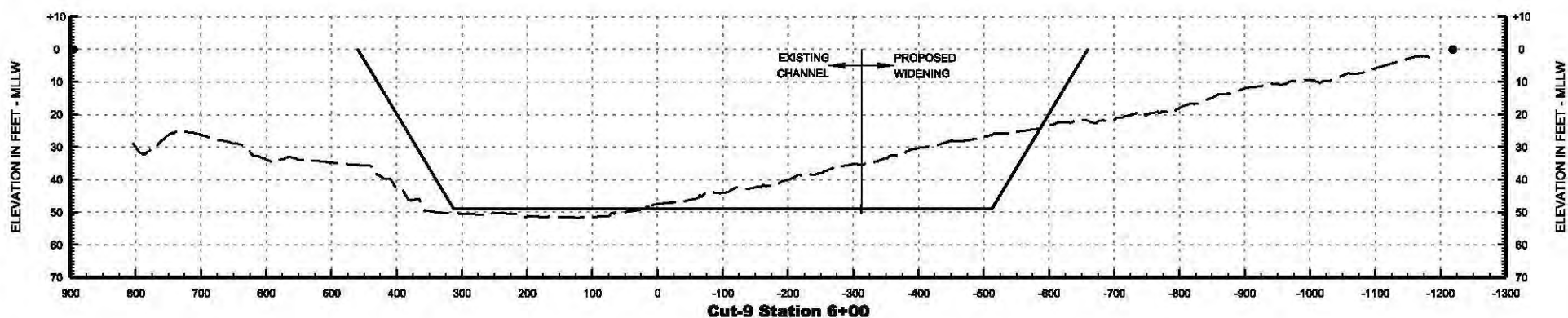
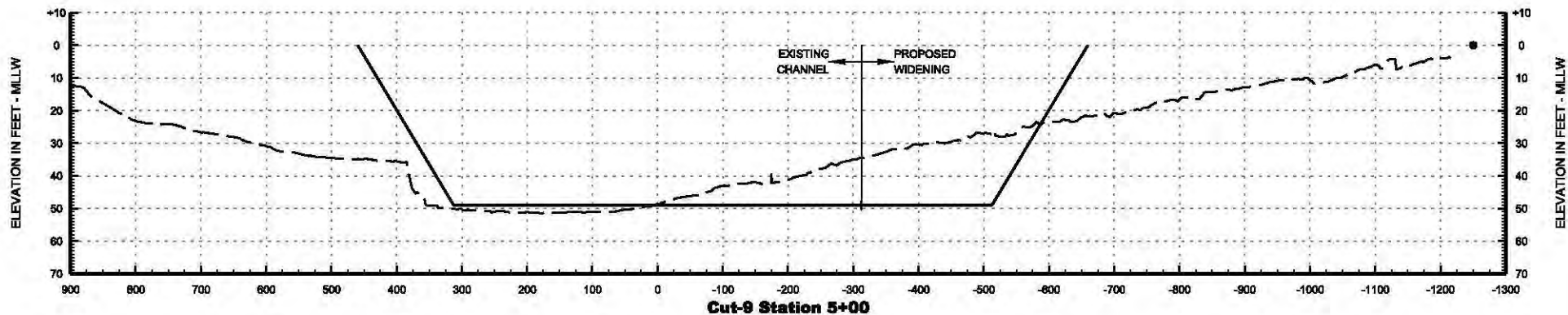
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DATED:
MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-9 STATION 2+00 TO 4+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

79



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

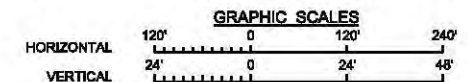
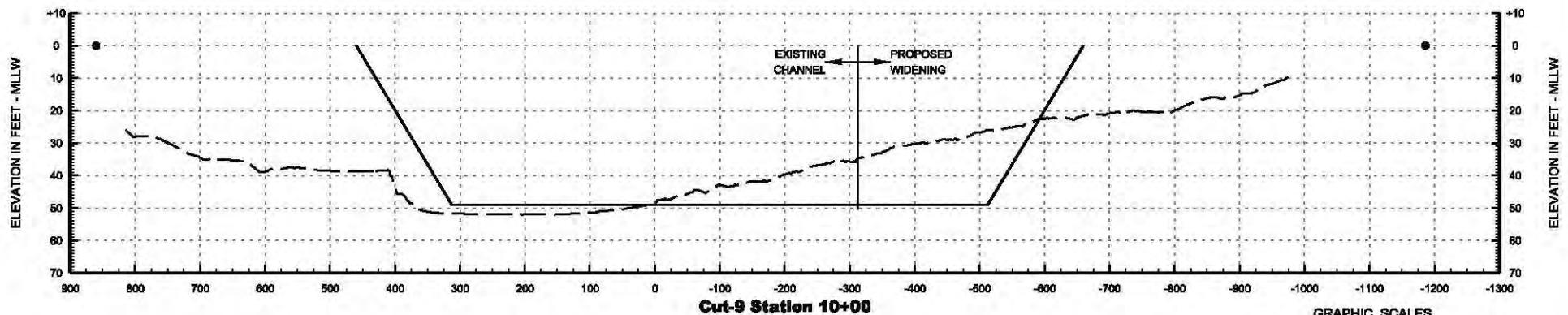
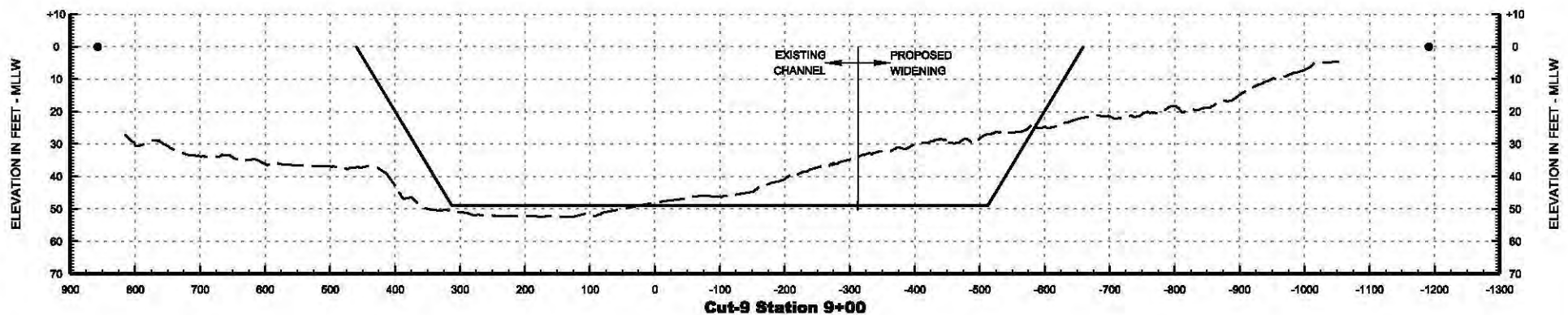
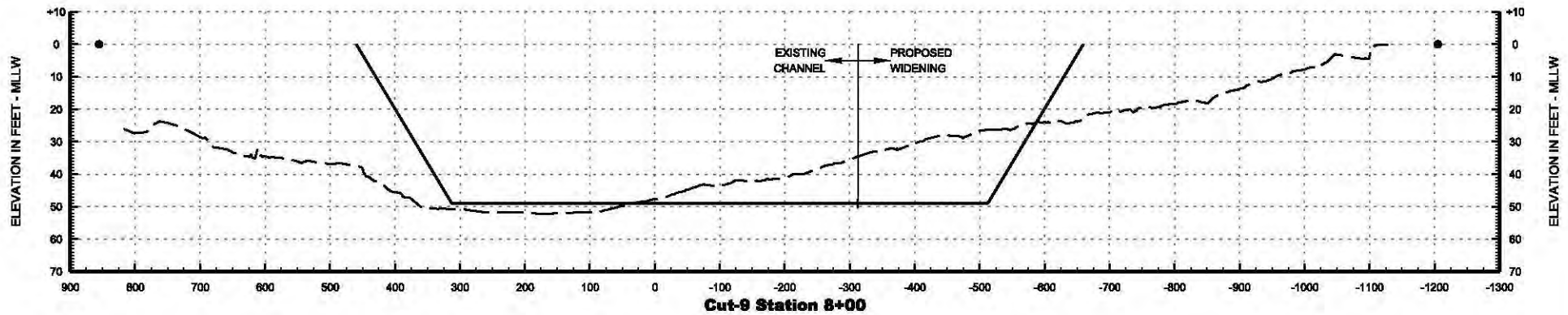
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MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-9 STATION 5+00 TO 7+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

80



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

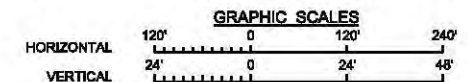
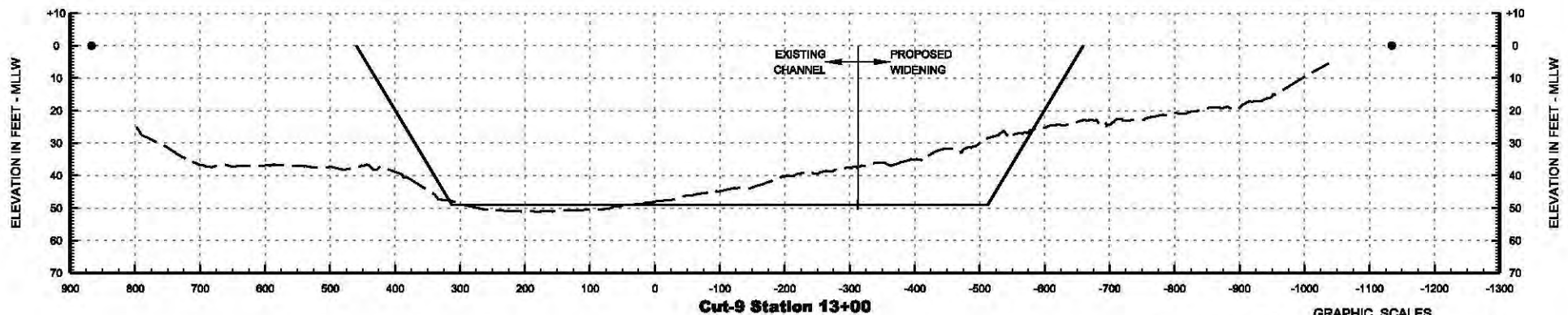
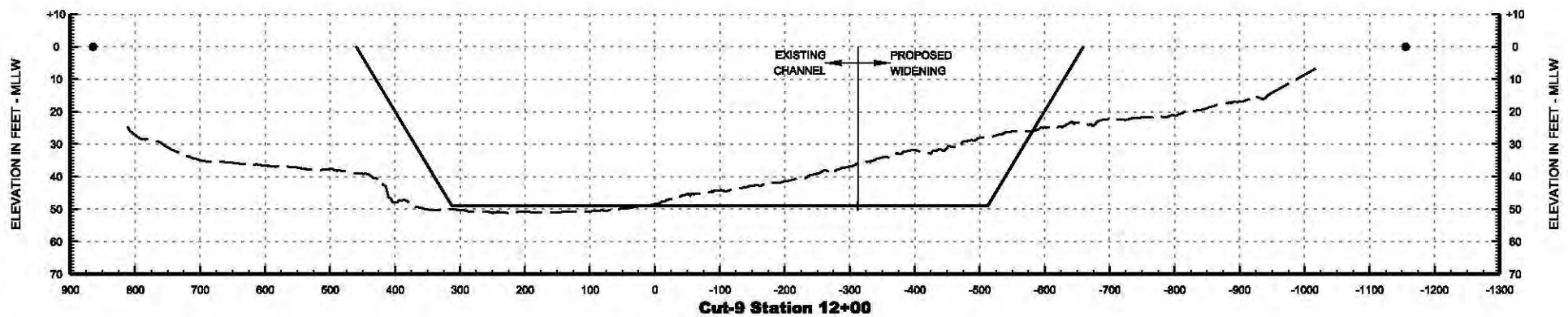
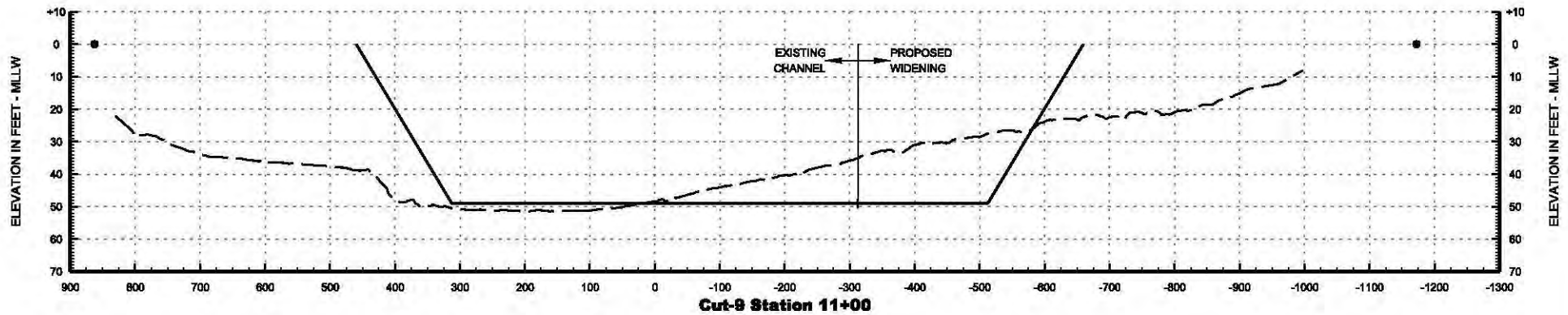
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-9 STATION 8+00 TO 10+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

81



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

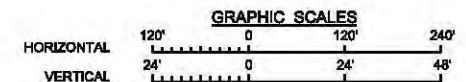
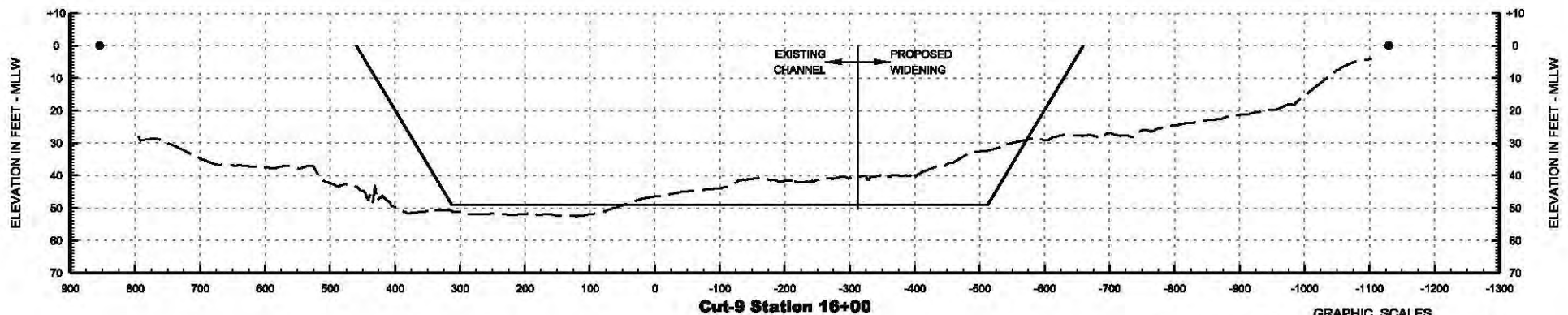
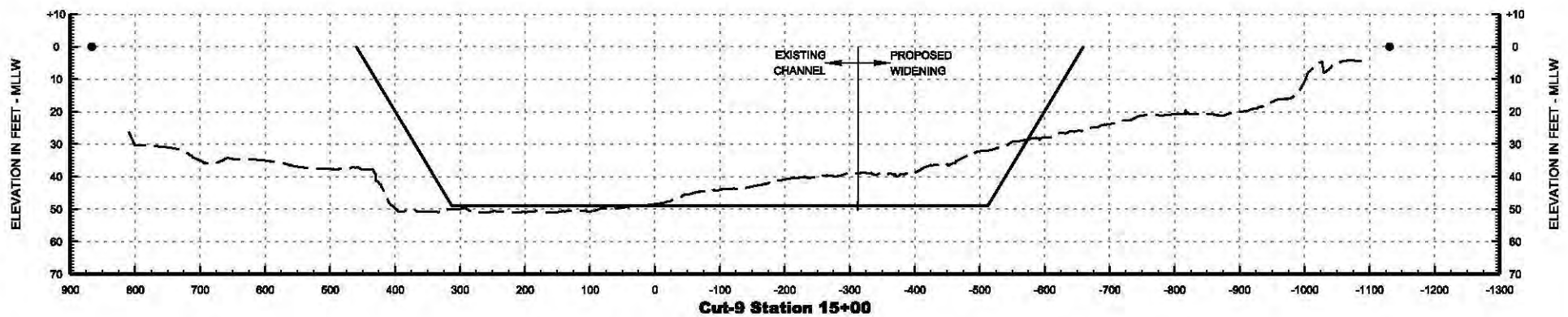
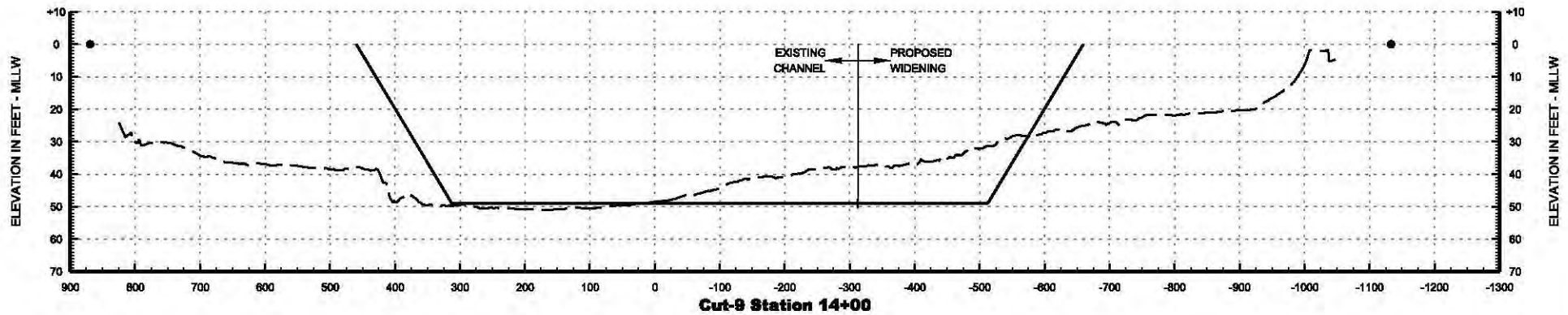
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-9 STATION 11+00 TO 13+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

82



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

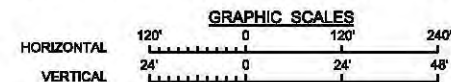
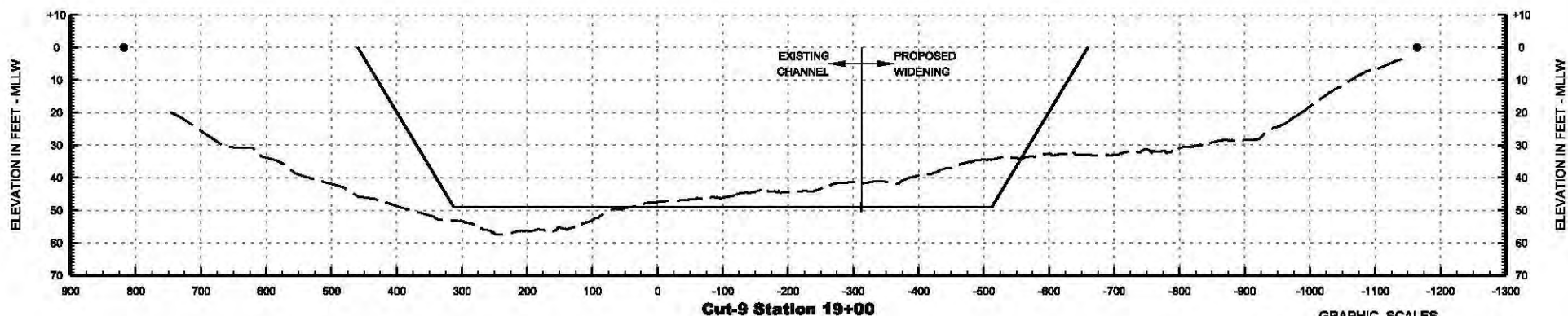
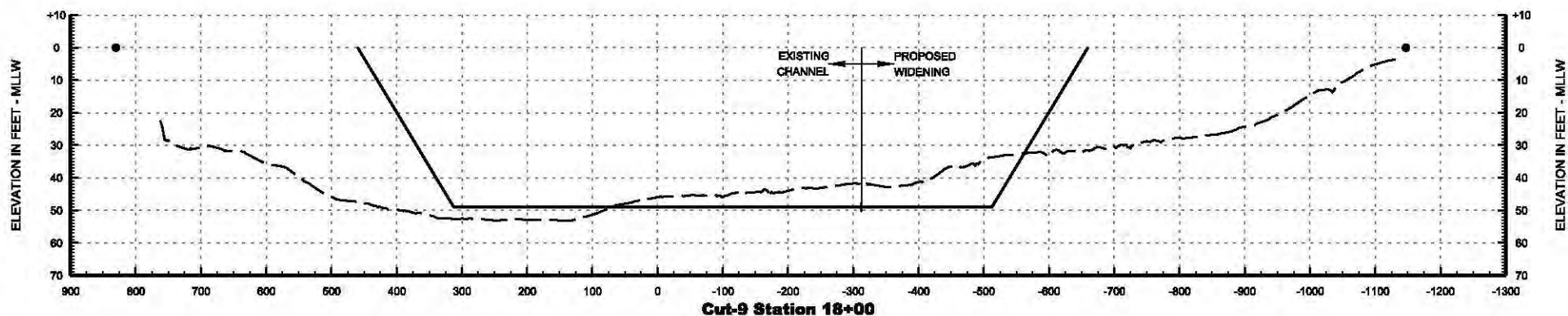
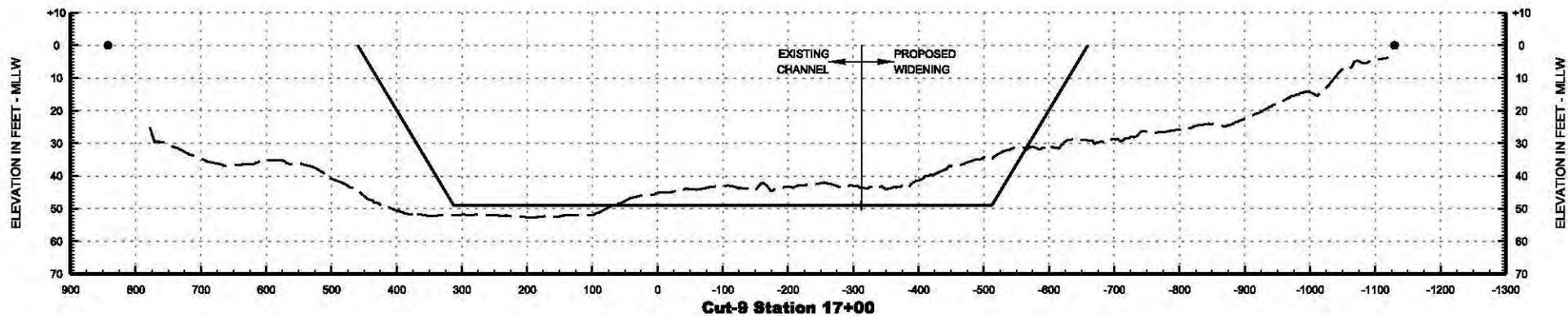
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-9 STATION 14+00 TO 16+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

83



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

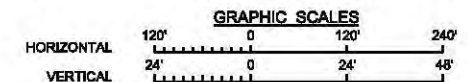
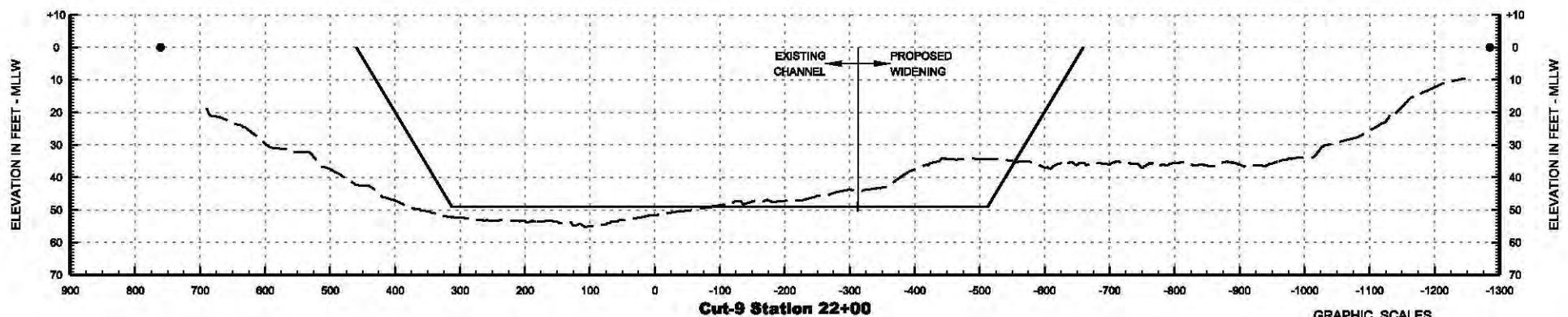
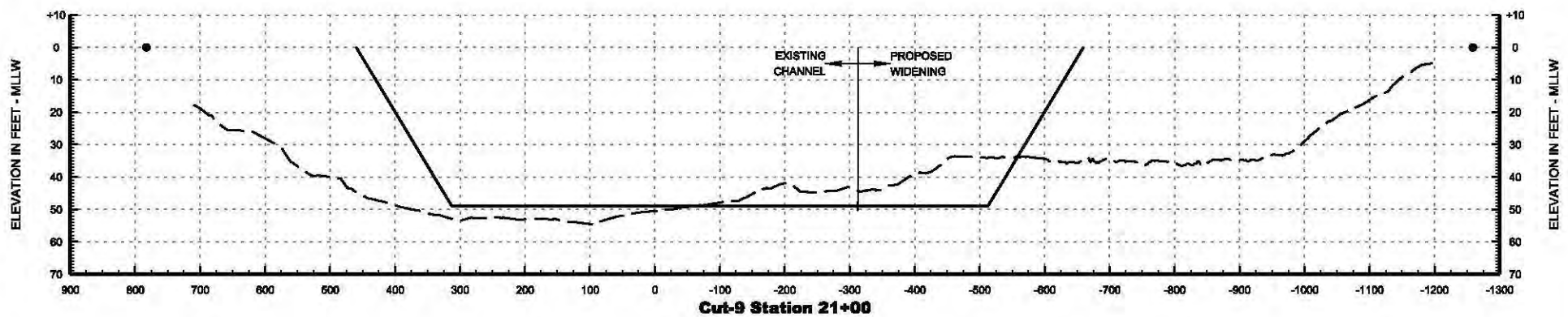
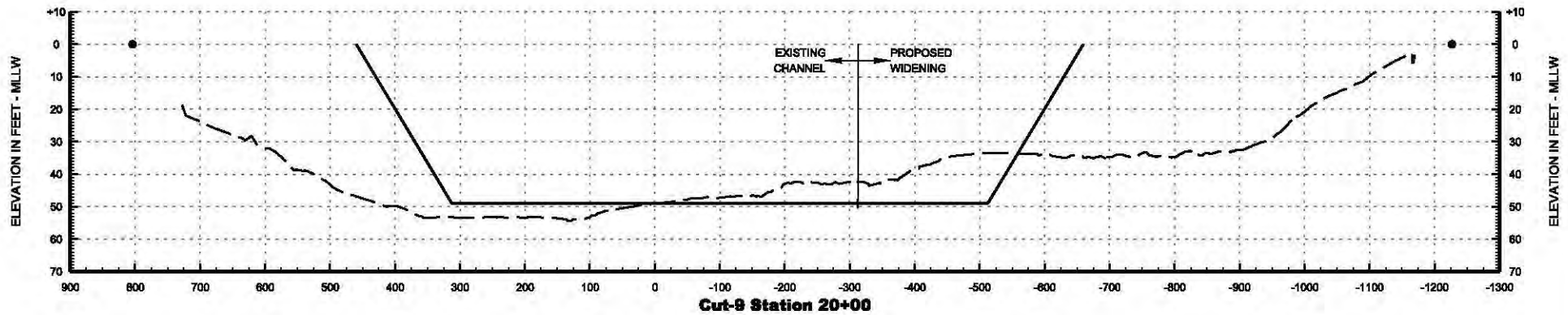
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-9 STATION 17+00 TO 19+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

84



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

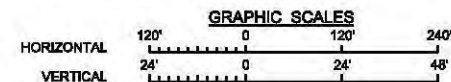
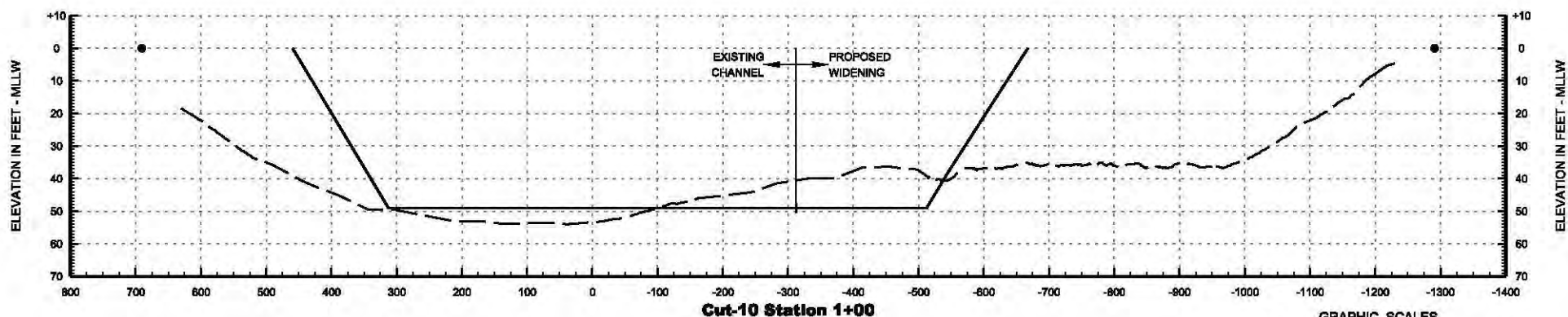
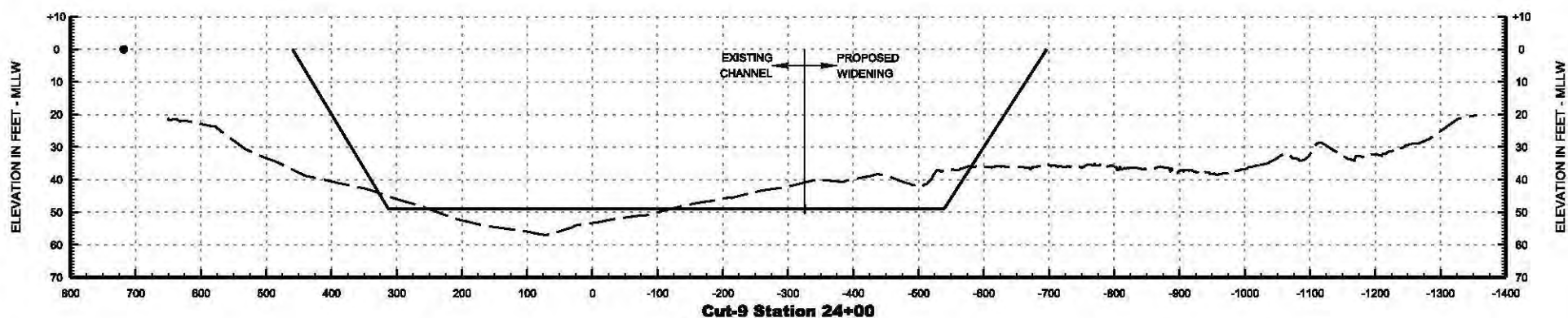
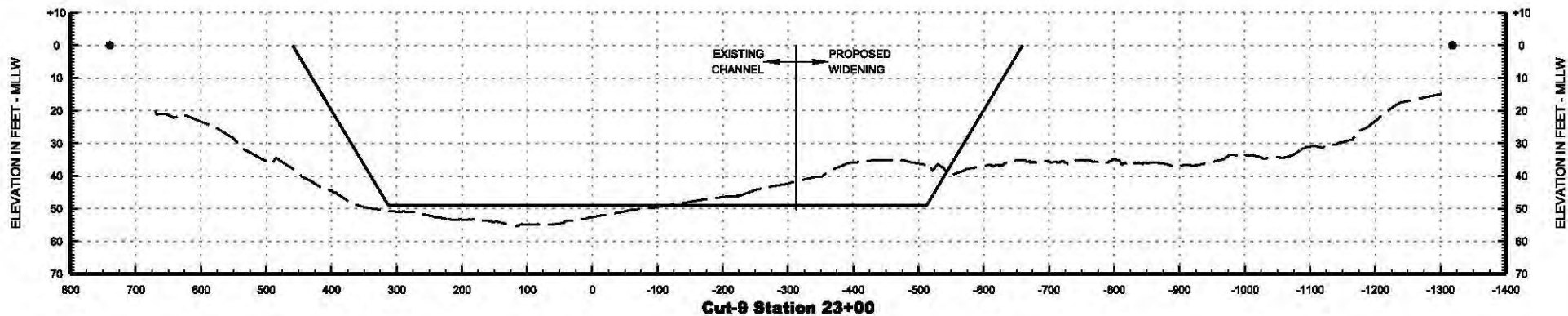
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-9 STATION 20+00 TO 22+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

85



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

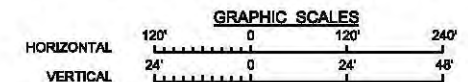
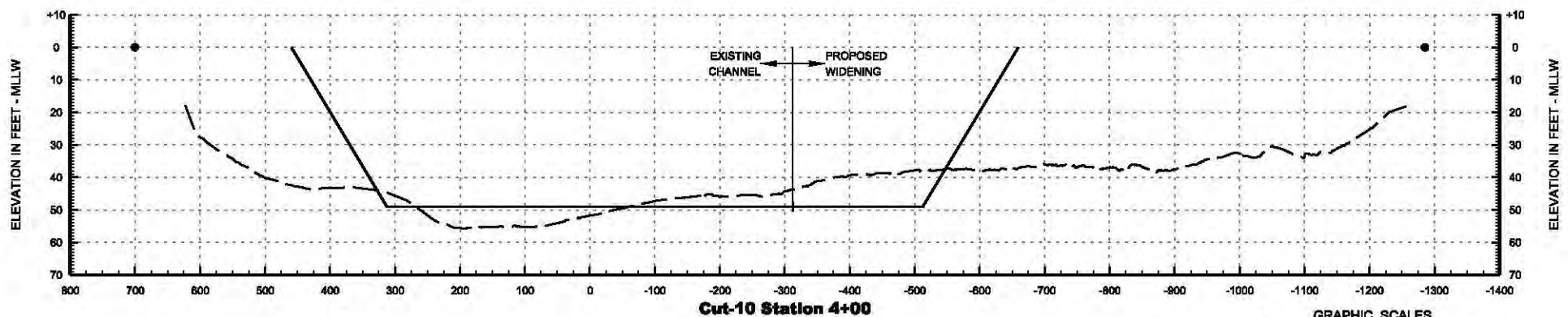
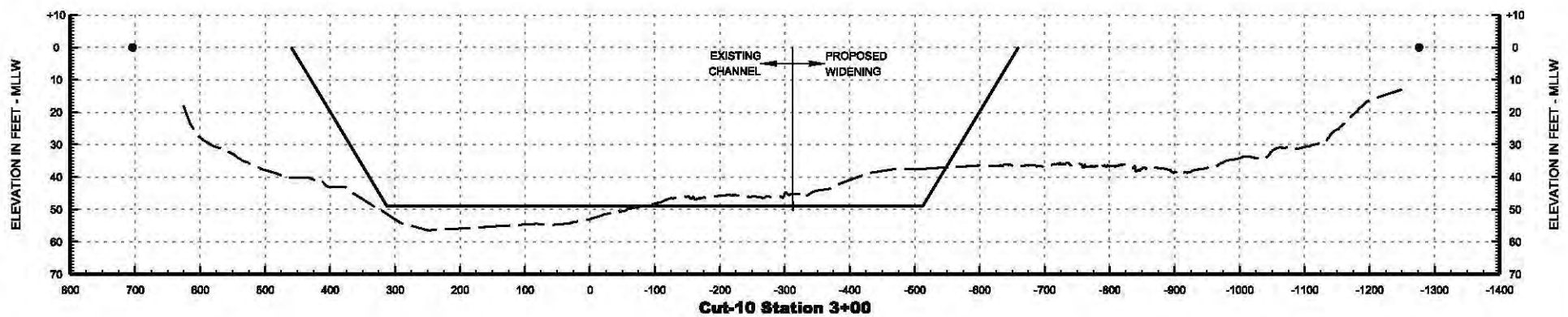
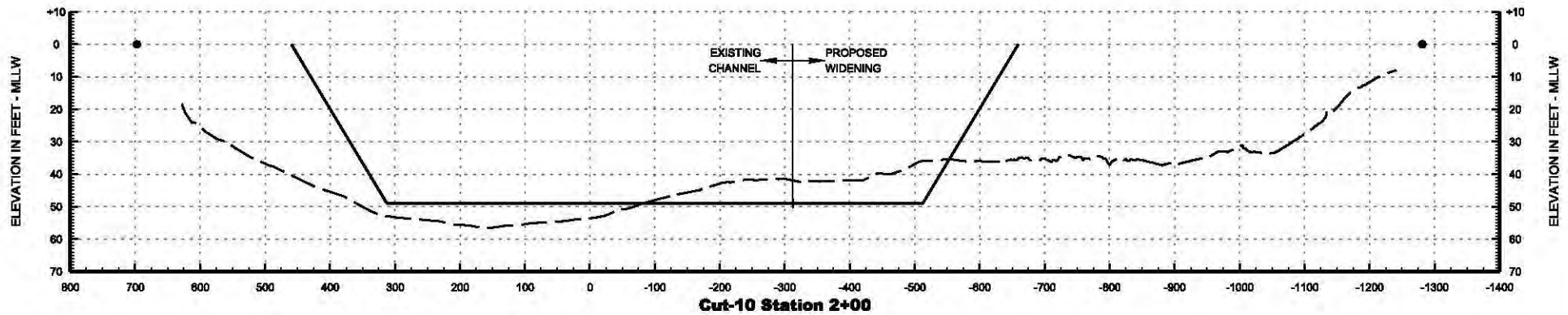
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-9 STATION 23+00 TO CUT-10 STATION 1+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

86



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

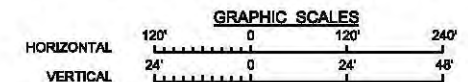
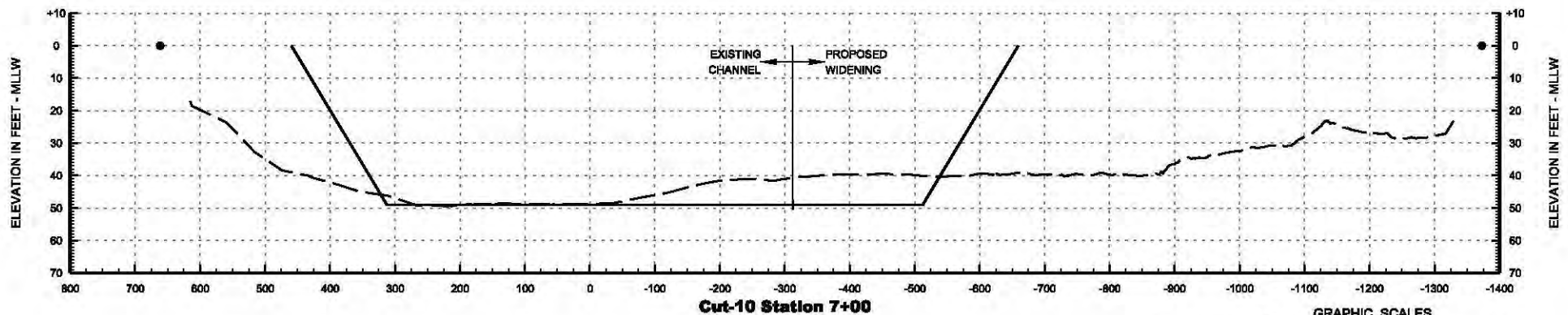
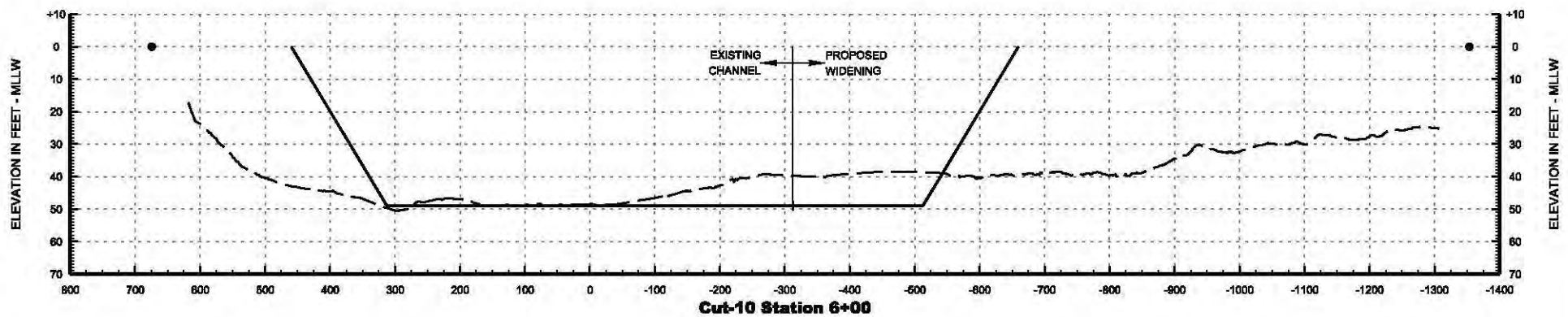
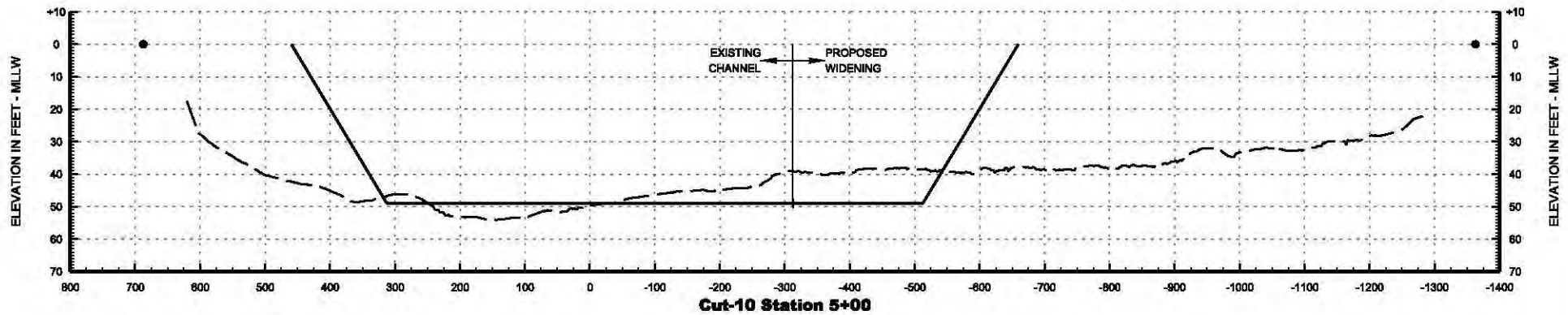
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JACKSONVILLE HARBOR NAVIGATION PROJECT
 DUVAL COUNTY, FLORIDA
 DREDGING CROSS SECTIONS
 CUT-10 STATION 2+00 TO 4+00
 GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
 — — — EXISTING GROUND
 — — — DREDGE TEMPLATE
 NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
 SECTION ON SECTIONS WHERE APPROXIMATE
 SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

87



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

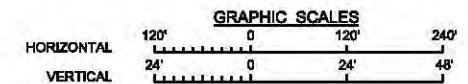
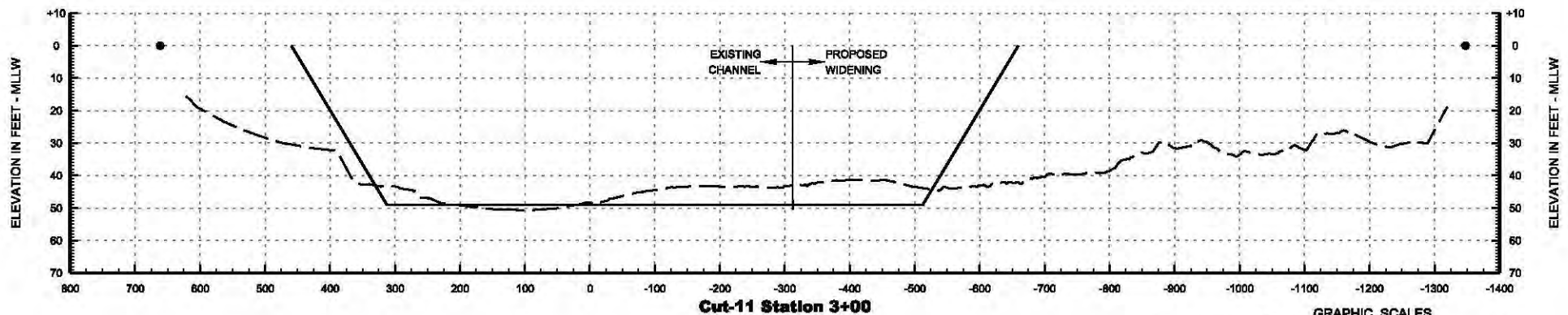
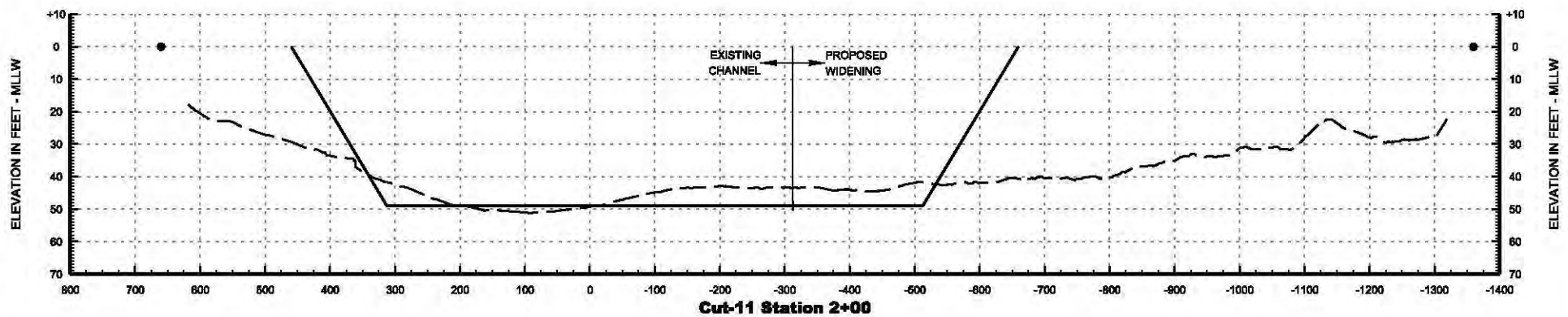
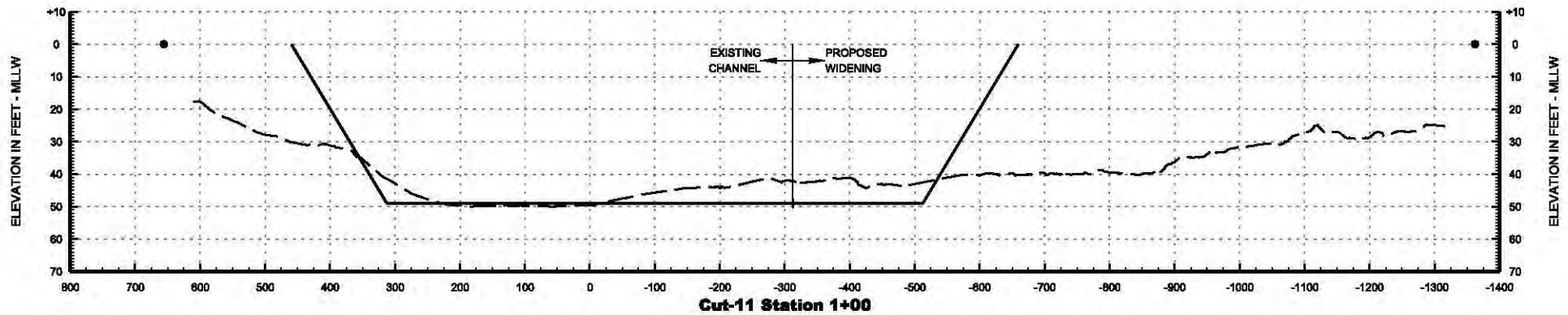
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-10 STATION 5+00 TO 7+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

88



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

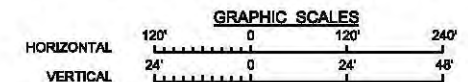
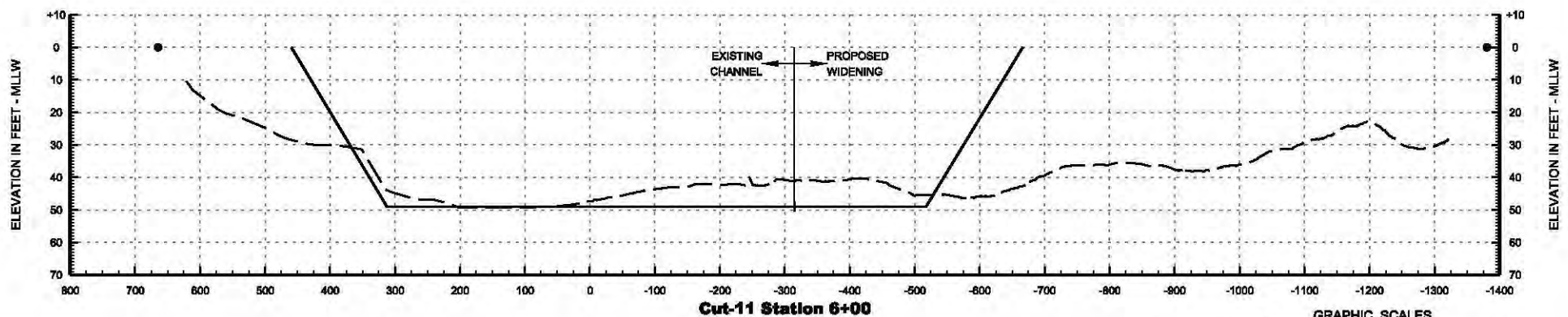
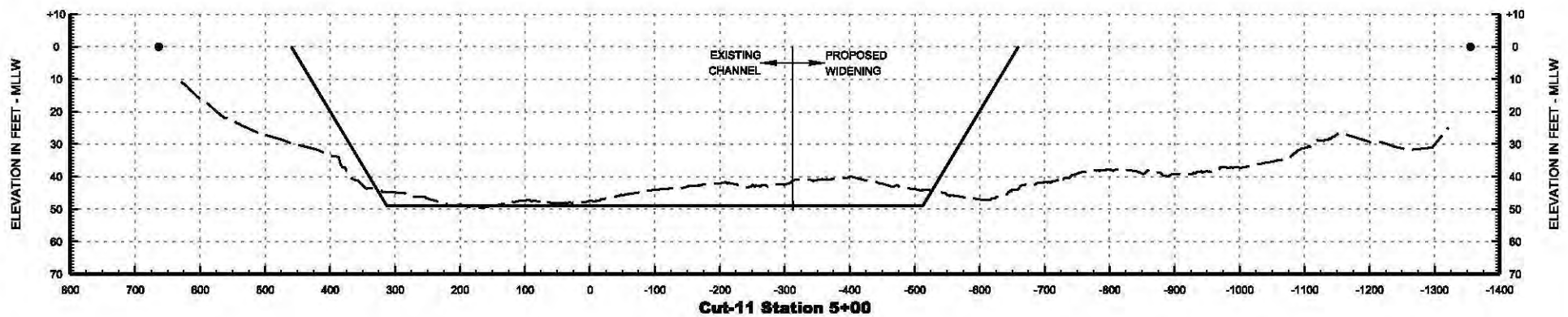
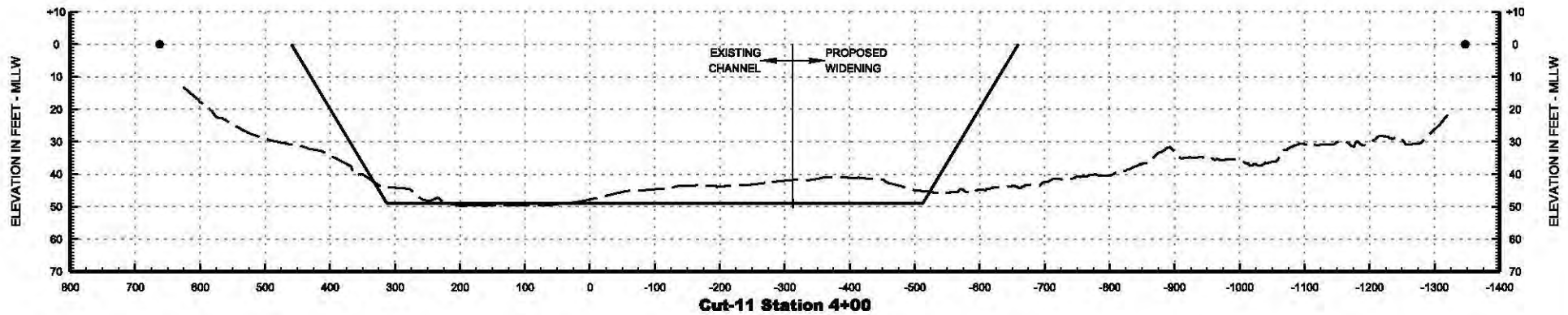
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-11 STATION 1+00 TO 3+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

89



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

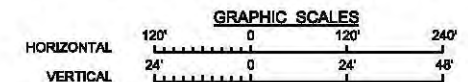
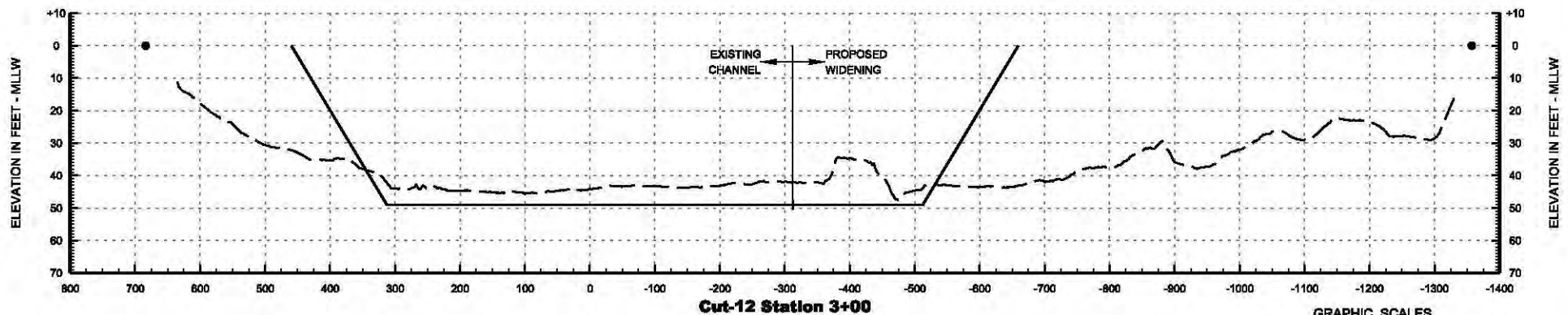
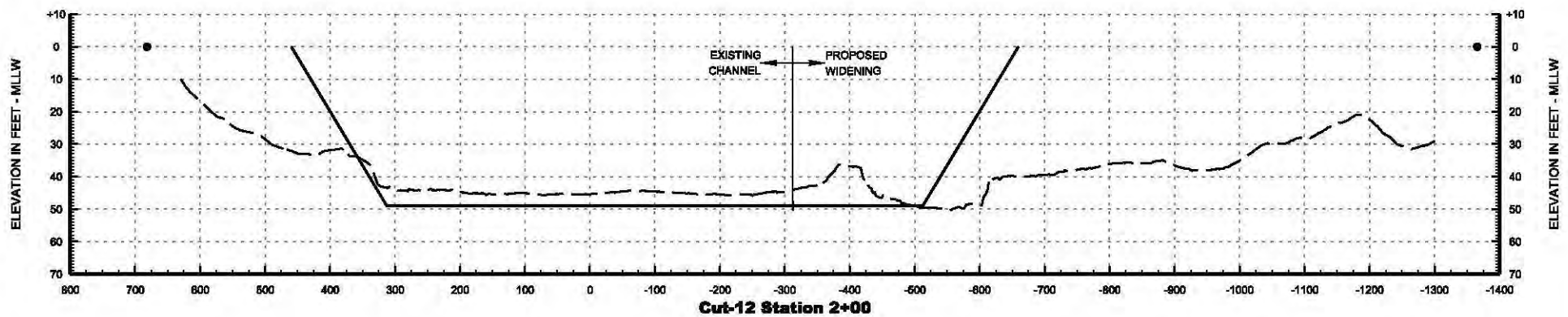
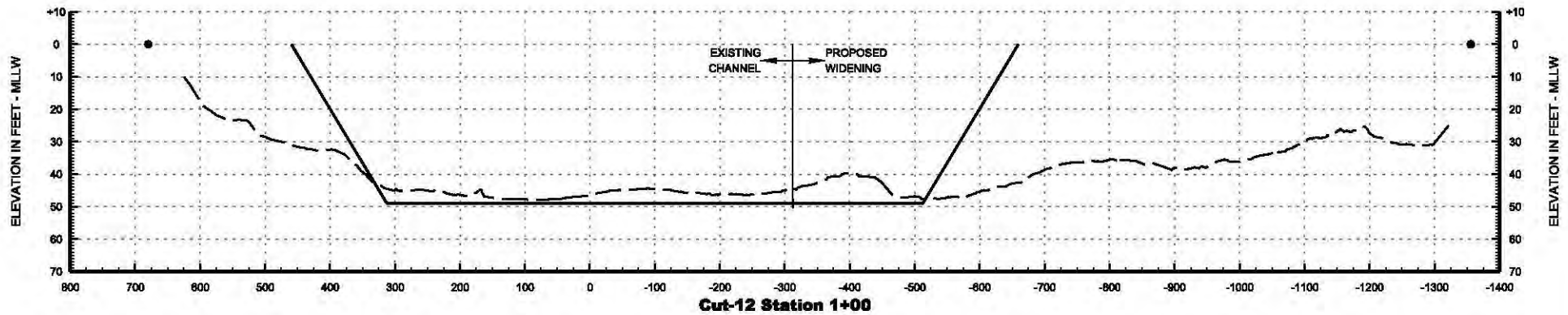
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JACKSONVILLE HARBOR NAVIGATION PROJECT
 DUVAL COUNTY, FLORIDA
 DREDGING CROSS SECTIONS
 CUT-11 STATION 4+00 TO 6+00
 GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
 — — — EXISTING GROUND
 — — — DREDGE TEMPLATE
 NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
 SECTION ON SECTIONS WHERE APPROXIMATE
 SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

90



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

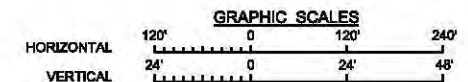
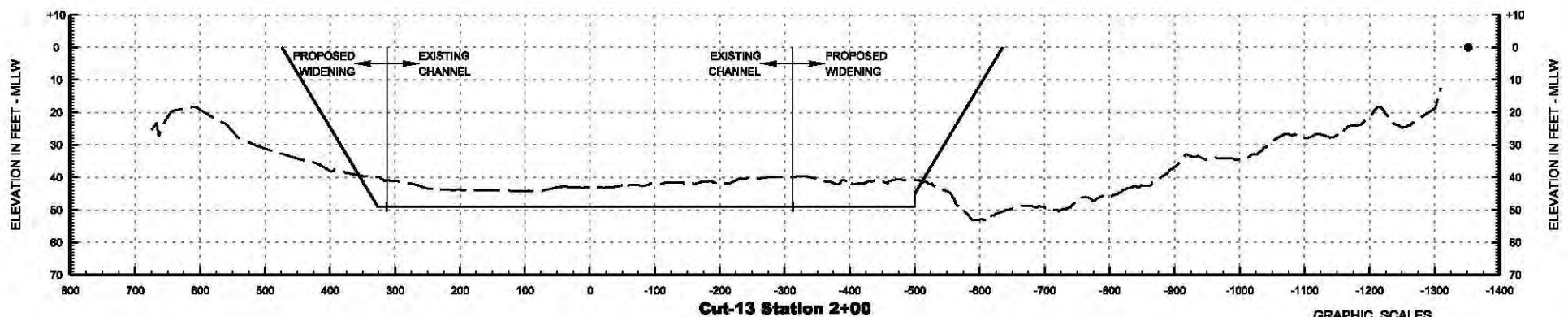
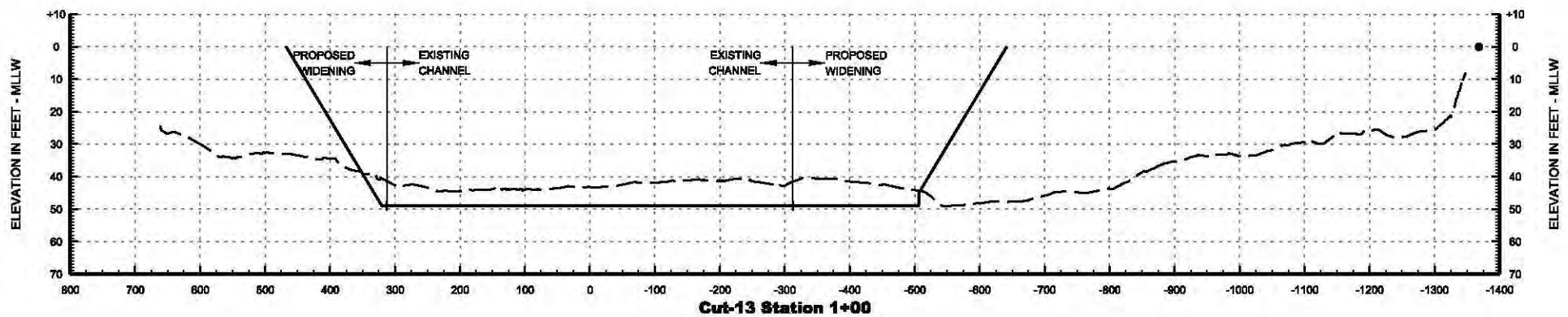
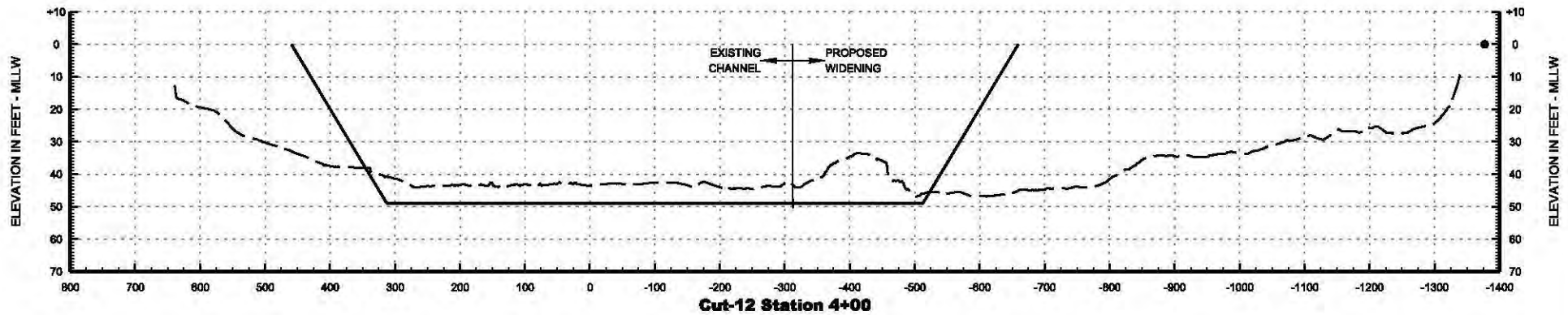
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-12 STATION 1+00 TO 3+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

91



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

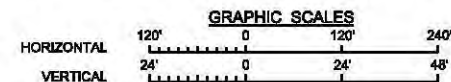
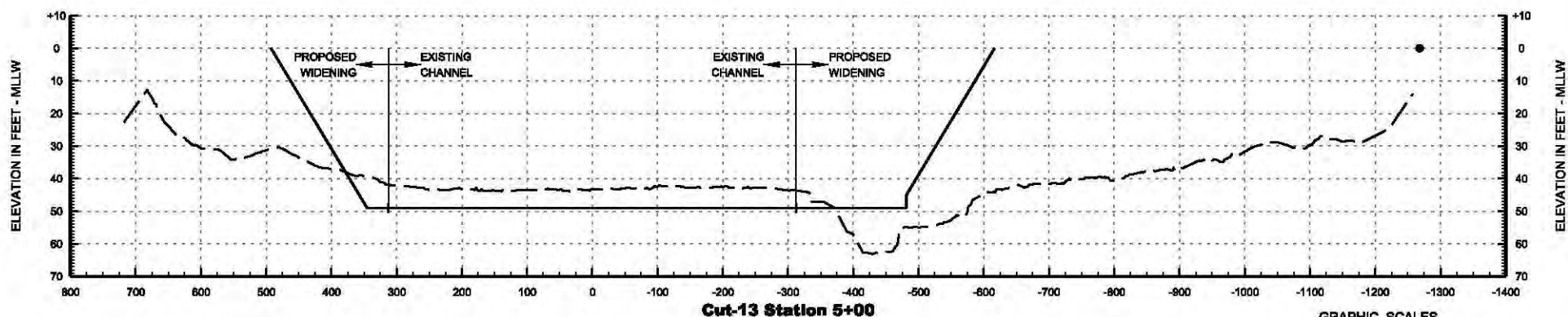
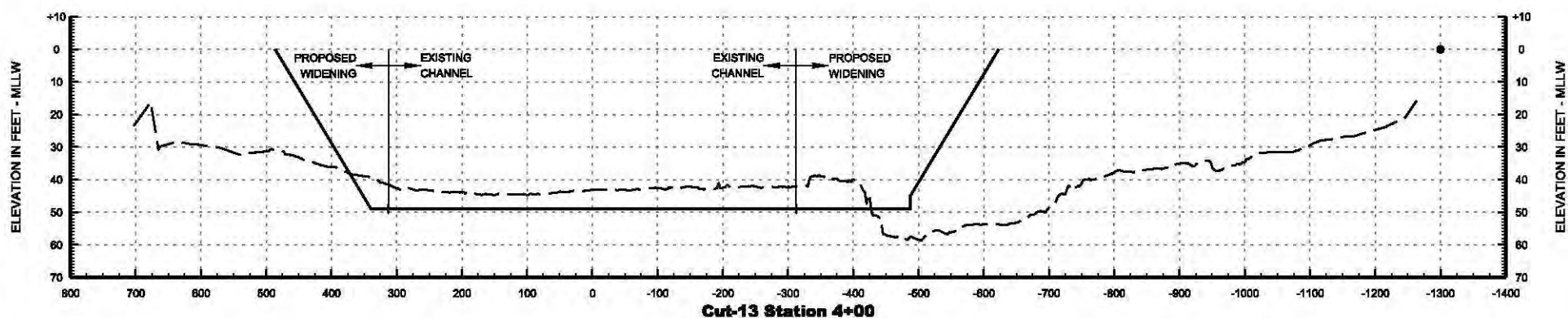
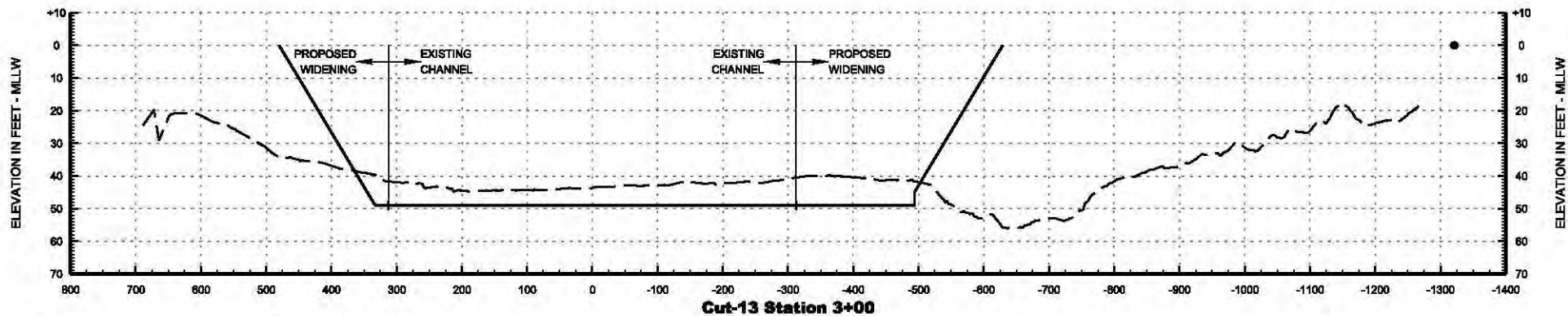
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-12 STATION 4+00 TO CUT-13 STATION 2+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

92



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

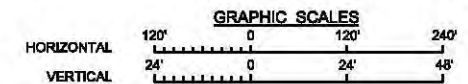
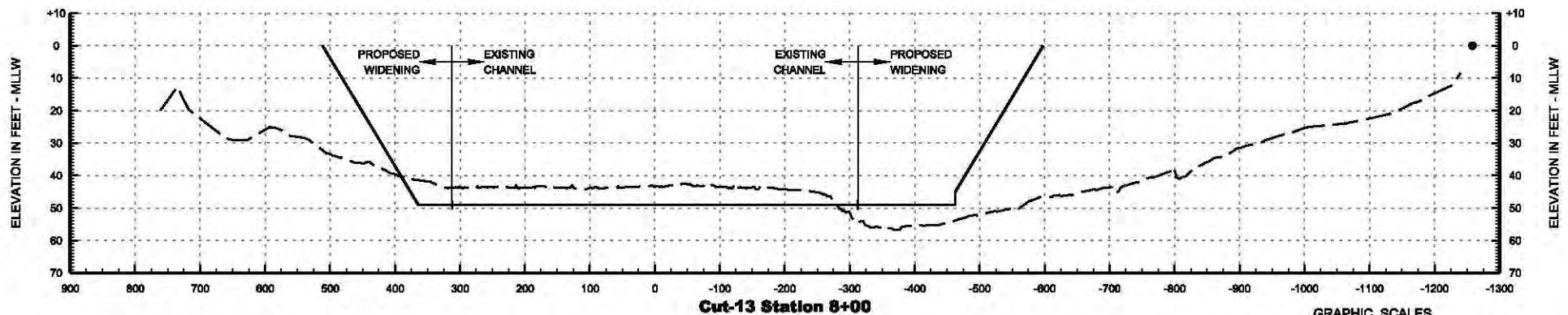
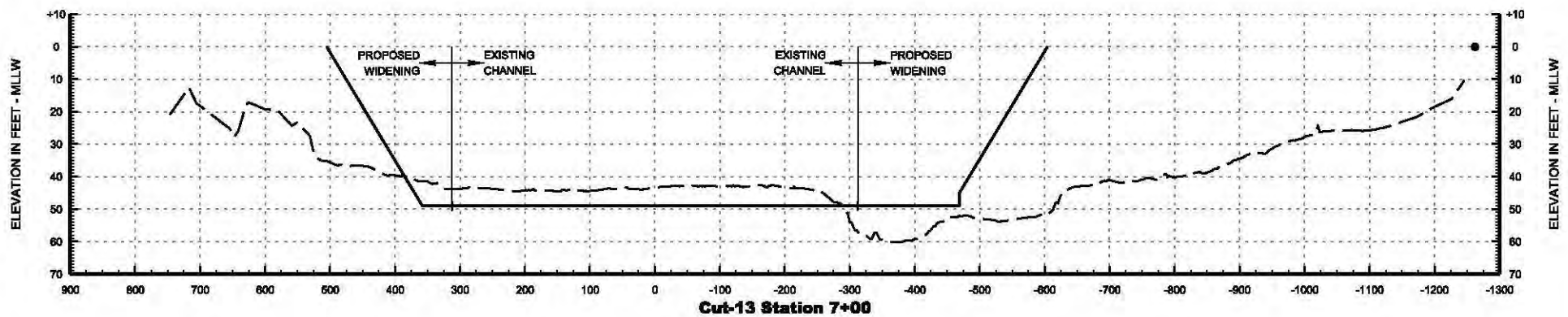
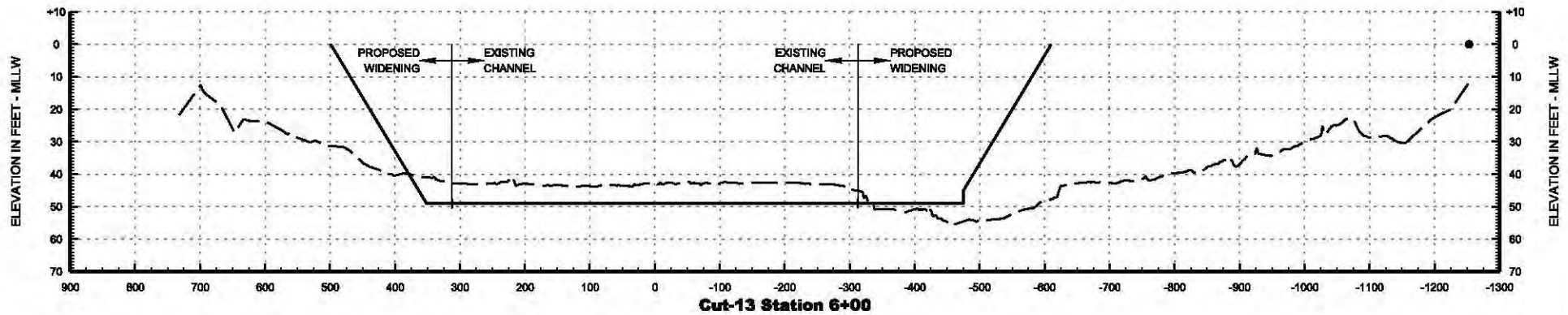
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DATED:
MARCH 2013

JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-13 STATION 3+00 TO 5+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
— — — DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

93



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

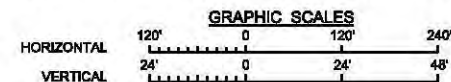
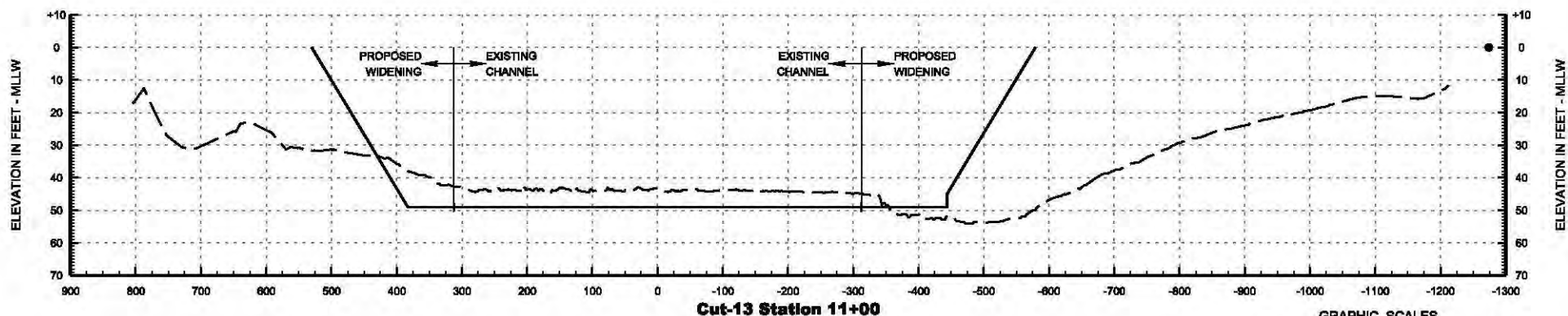
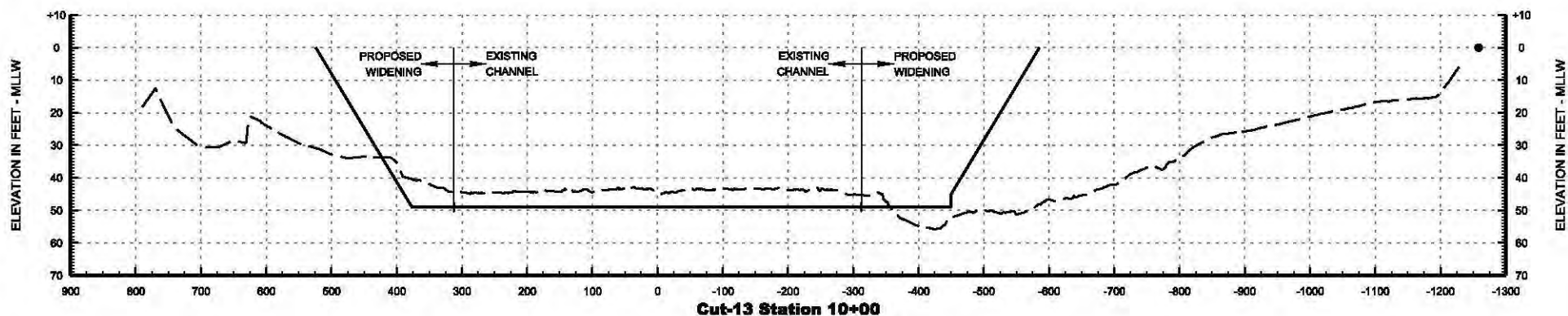
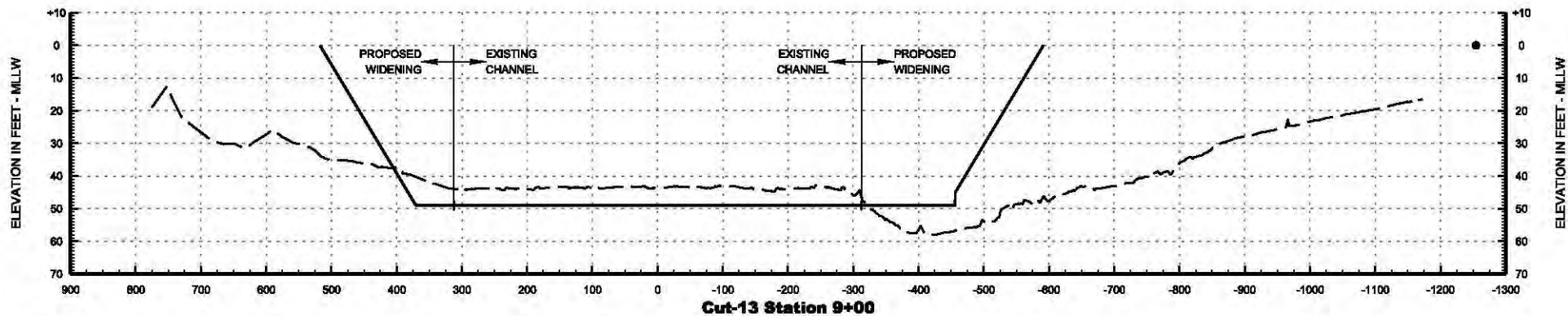
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-13 STATION 6+00 TO 8+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

94



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

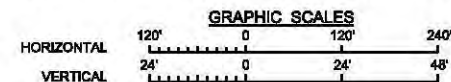
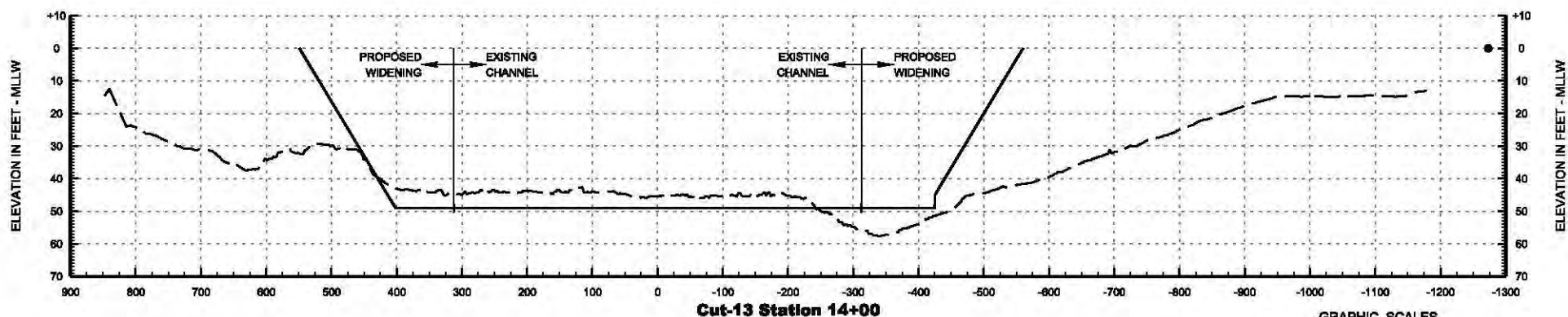
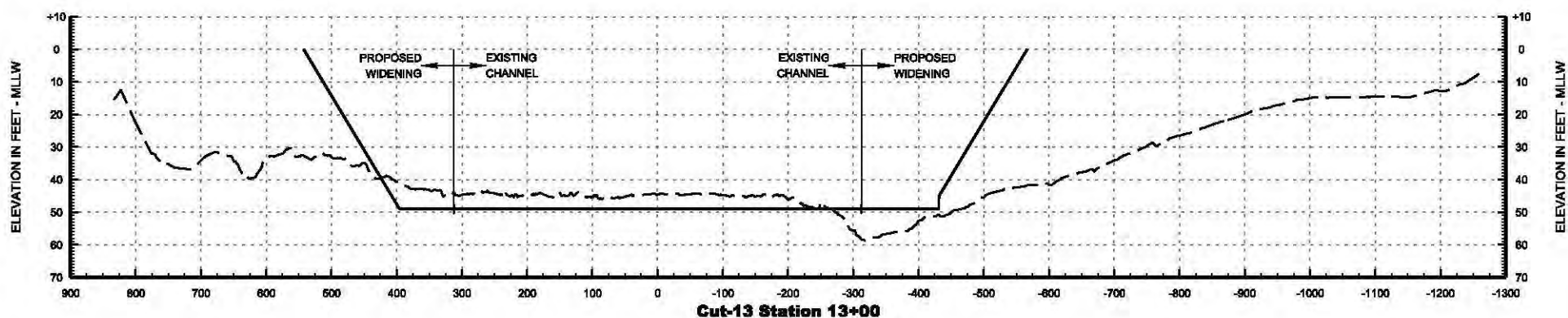
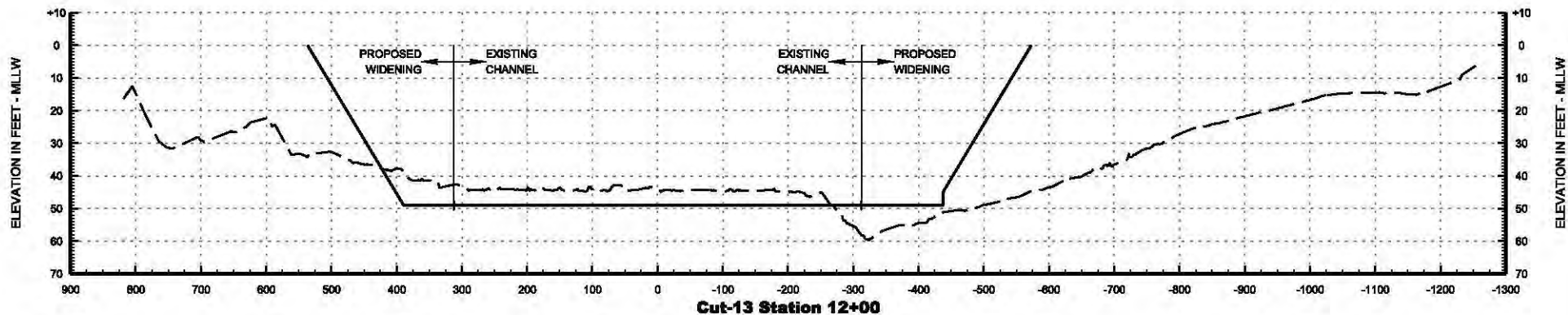
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-13 STATION 9+00 TO 11+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

95



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

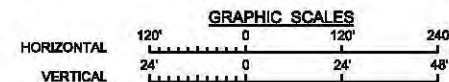
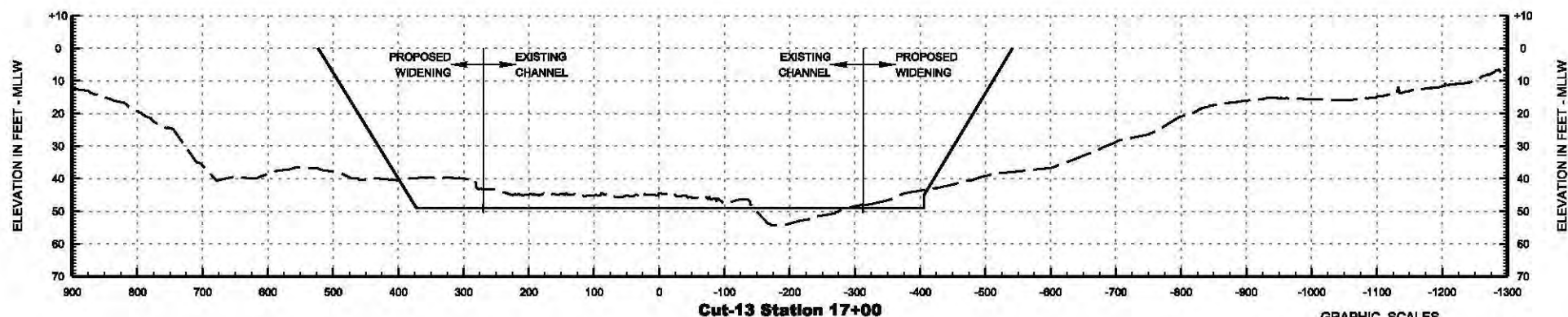
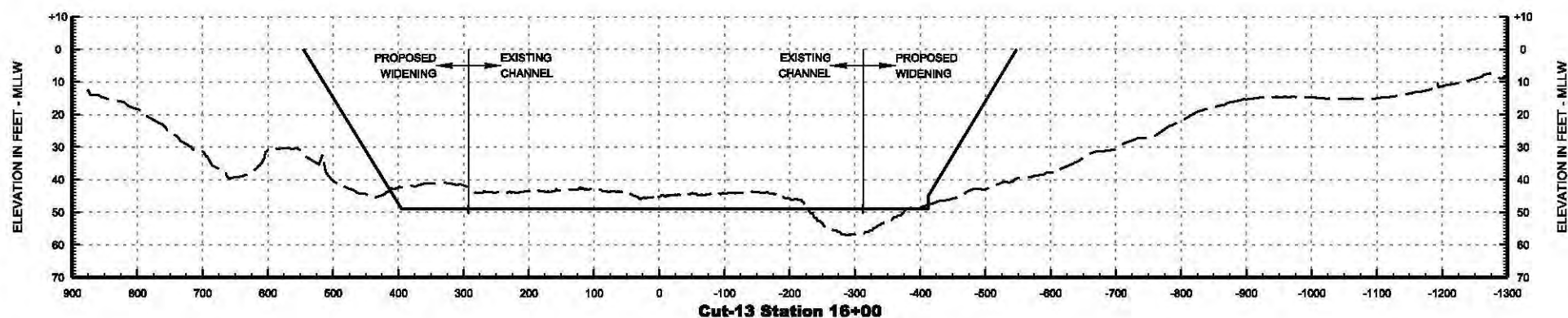
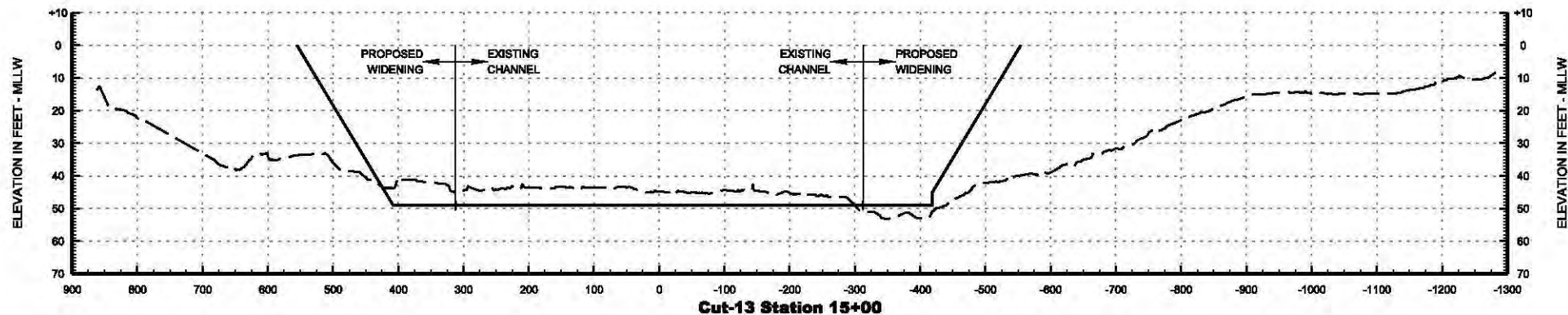
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-13 STATION 12+00 TO 14+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

96



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

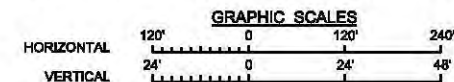
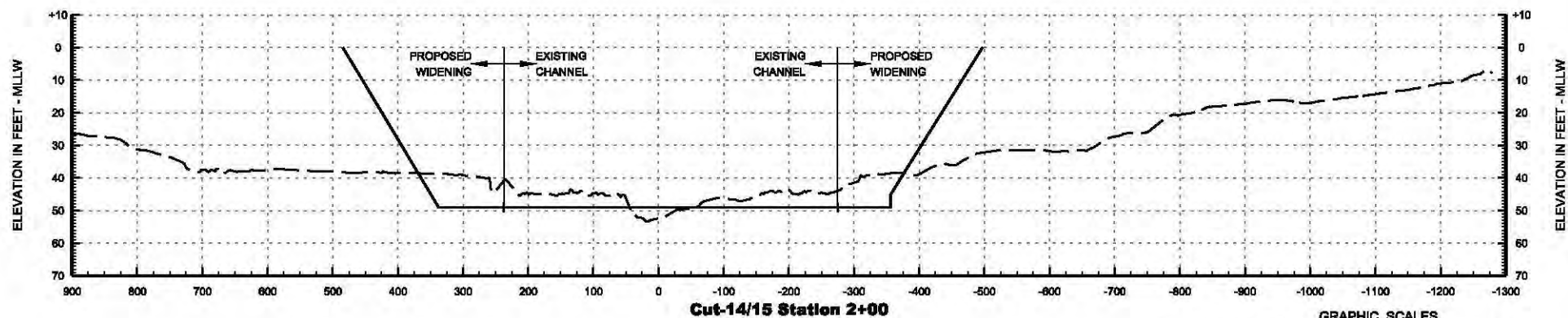
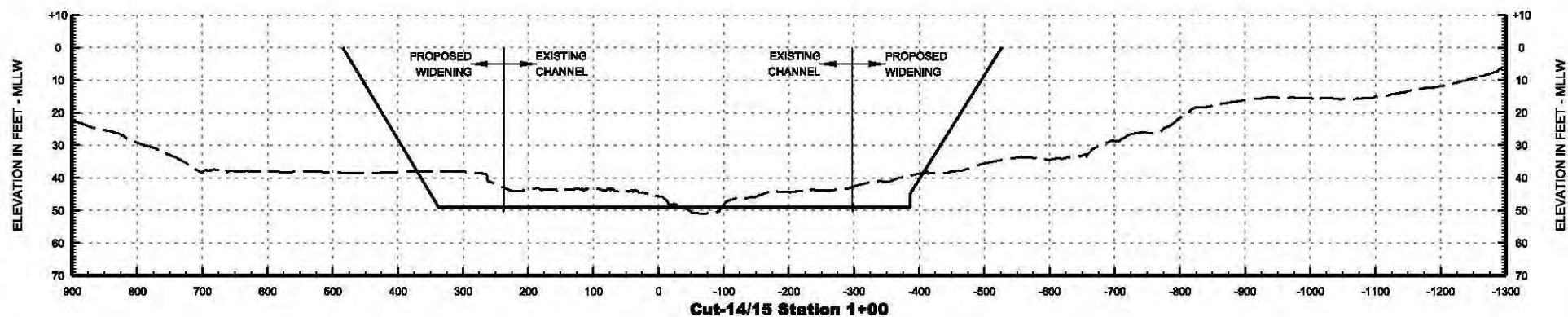
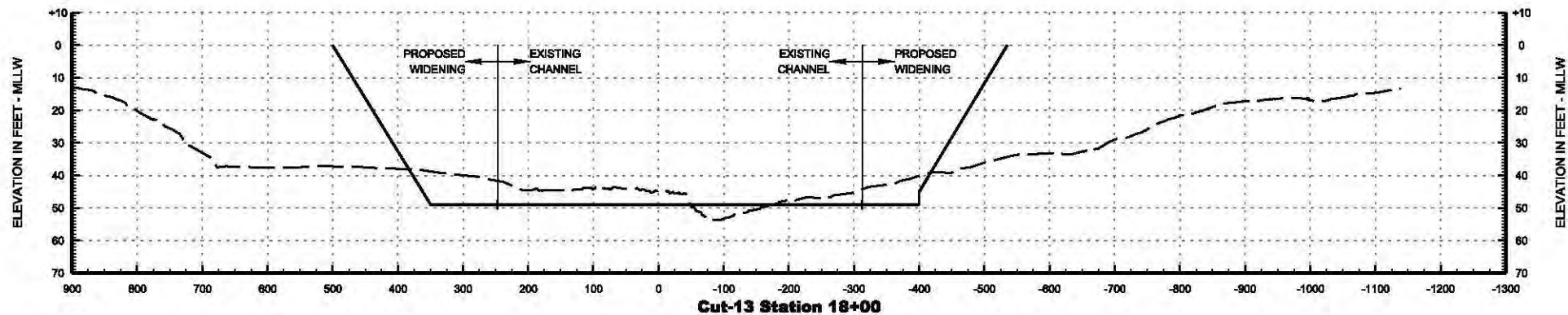
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-13 STATION 15+00 TO 17+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
— DREDGE TEMPLATE
NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

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US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

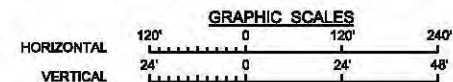
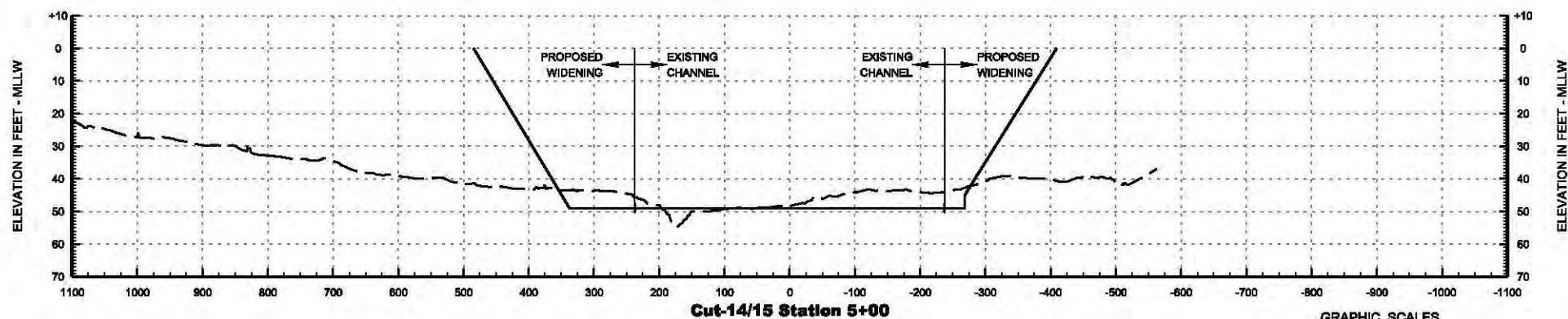
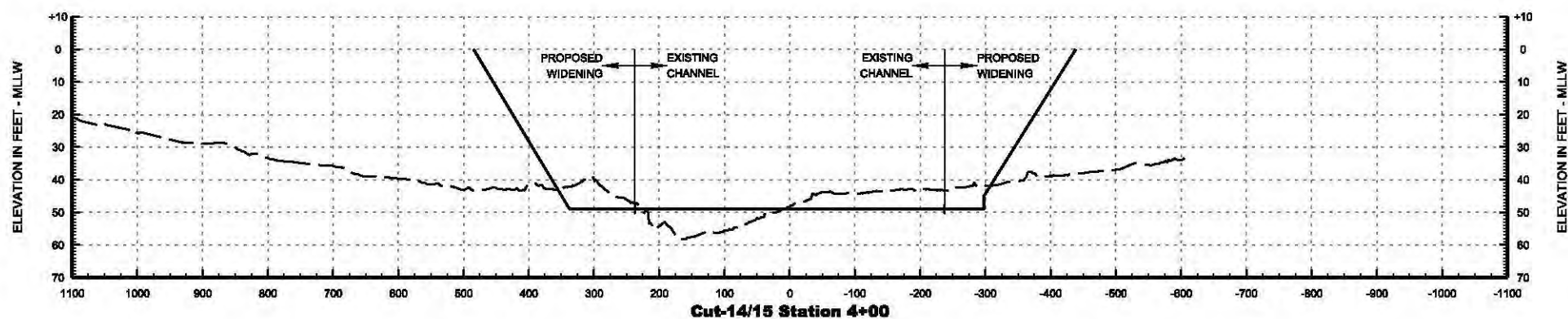
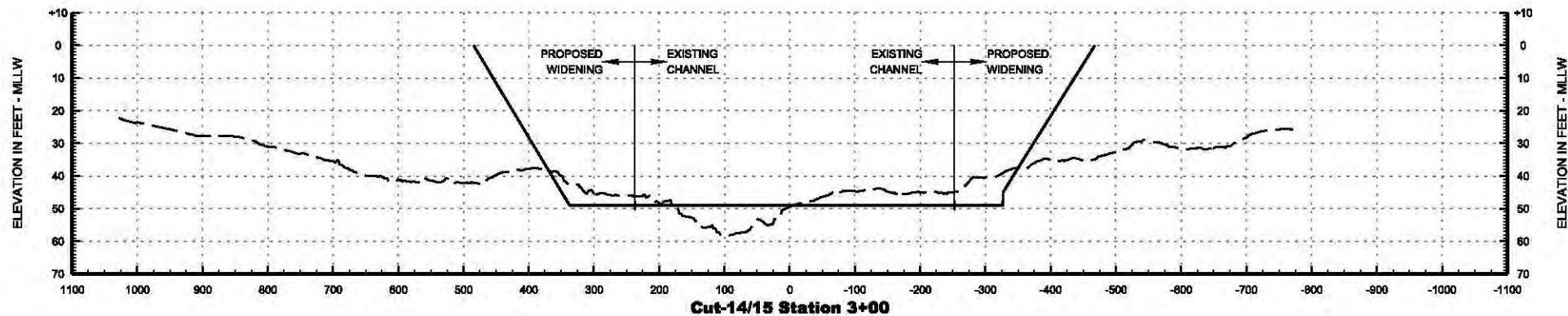
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JACKSONVILLE HARBOR NAVIGATION PROJECT
 DUVAL COUNTY, FLORIDA
 DREDGING CROSS SECTIONS
 CUT-13 STATION 18+00 TO CUT-14/15 STATION 2+00
 GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
 — EXISTING GROUND
 — DREDGE TEMPLATE
 NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
 SECTION ON SECTIONS WHERE APPROXIMATE
 SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

98



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

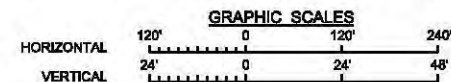
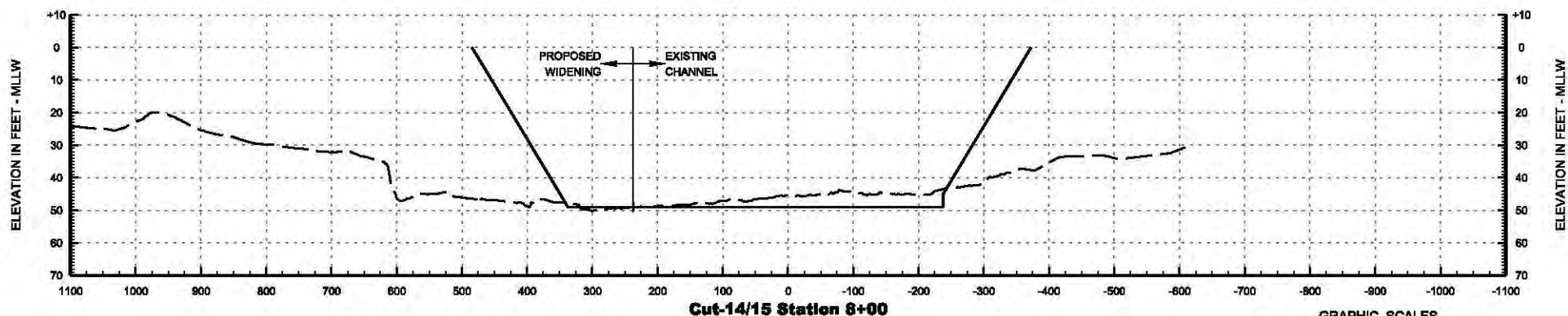
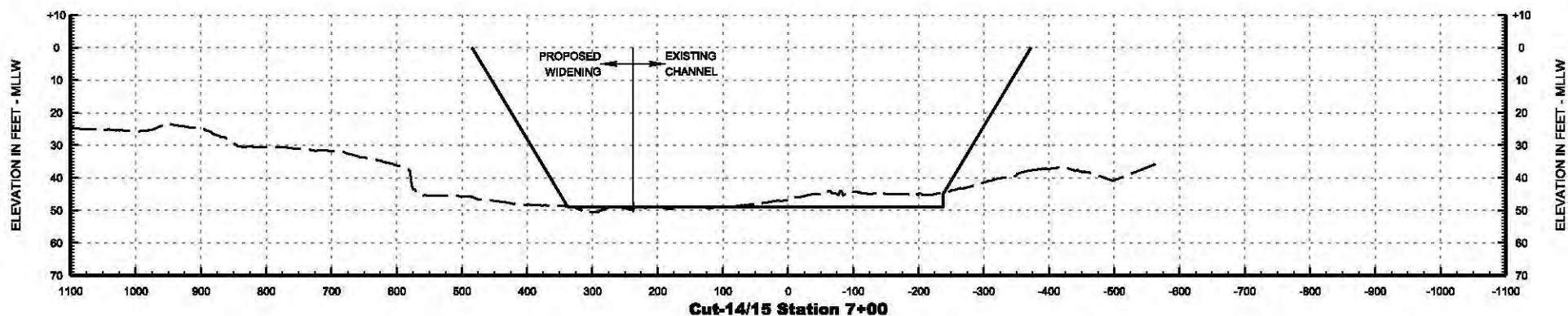
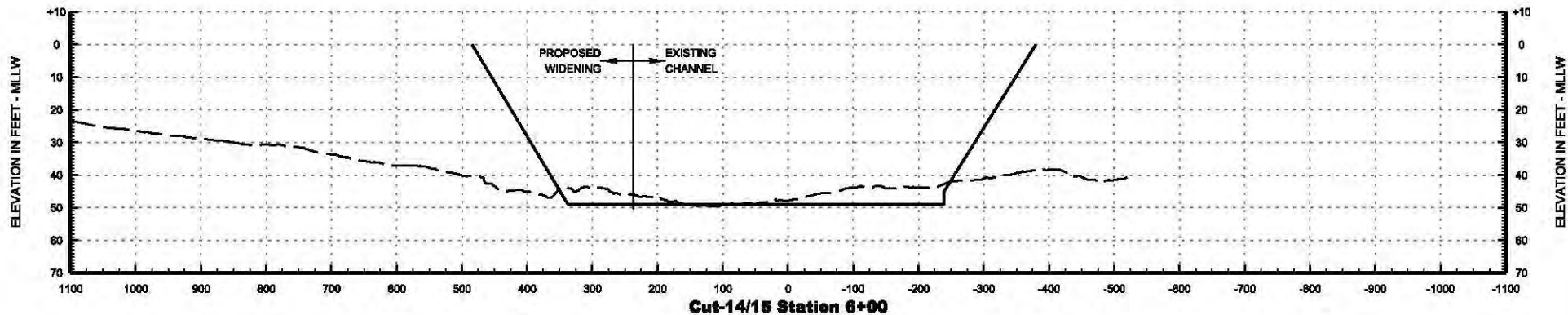
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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-14/15 STATION 3+00 TO 5+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— — — EXISTING GROUND
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NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
SECTION ON SECTIONS WHERE APPROXIMATE
SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

99



US Army Corps
of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

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JACKSONVILLE HARBOR NAVIGATION PROJECT
DUVAL COUNTY, FLORIDA
DREDGING CROSS SECTIONS
CUT-14/15 STATION 6+00 TO 8+00
GENERAL REEVALUATION REPORT II - ENGINEERING APPENDIX

• APPROXIMATE SHORELINE
— EXISTING GROUND
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NOTE: SHORELINE FALLS OUTSIDE LIMITS OF
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SHORELINE SYMBOL IS NOT SHOWN.

FIGURE

100